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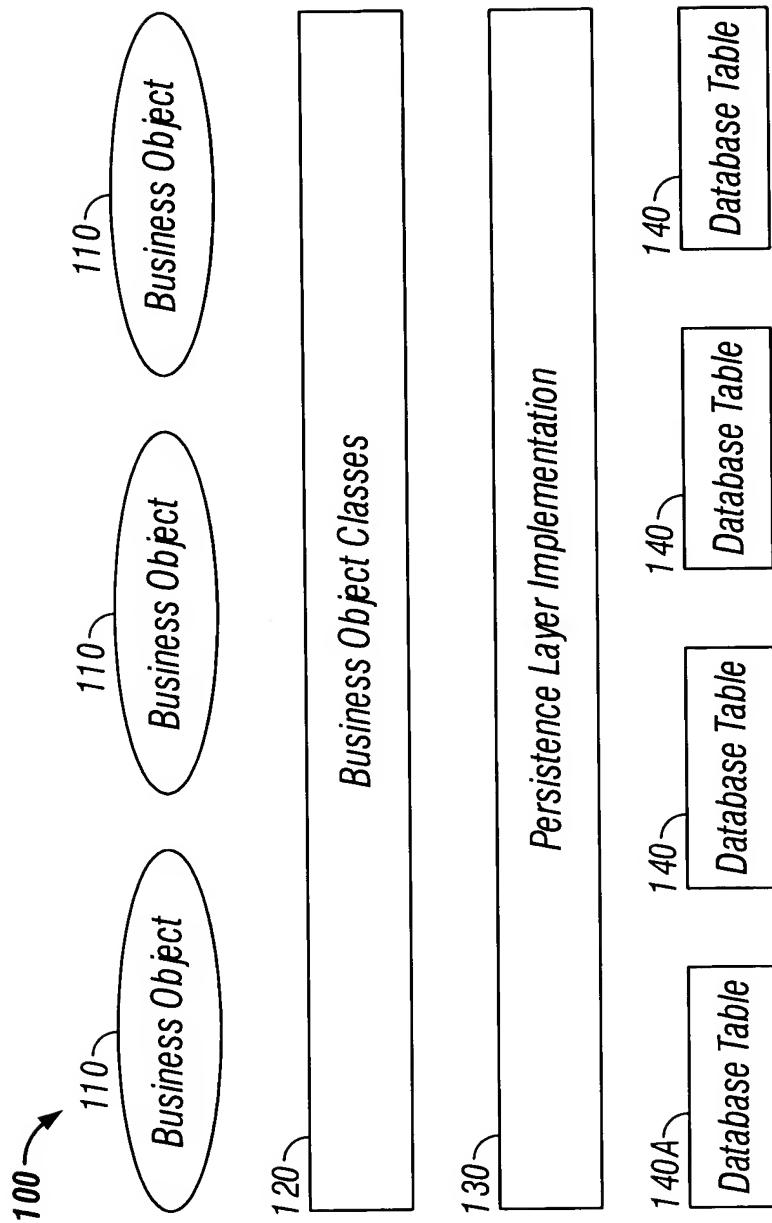


FIG. 1

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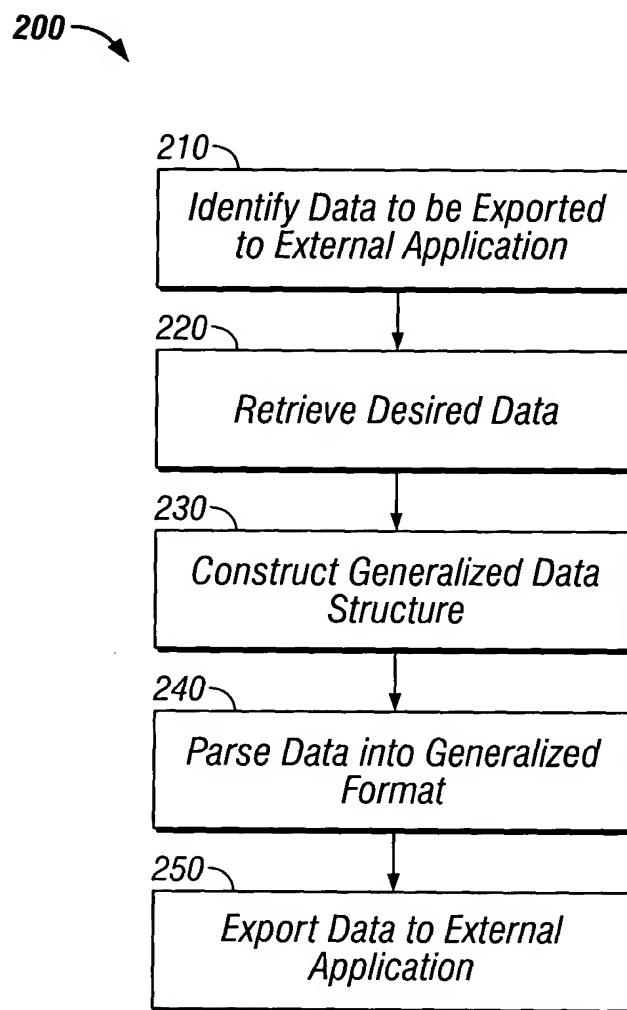
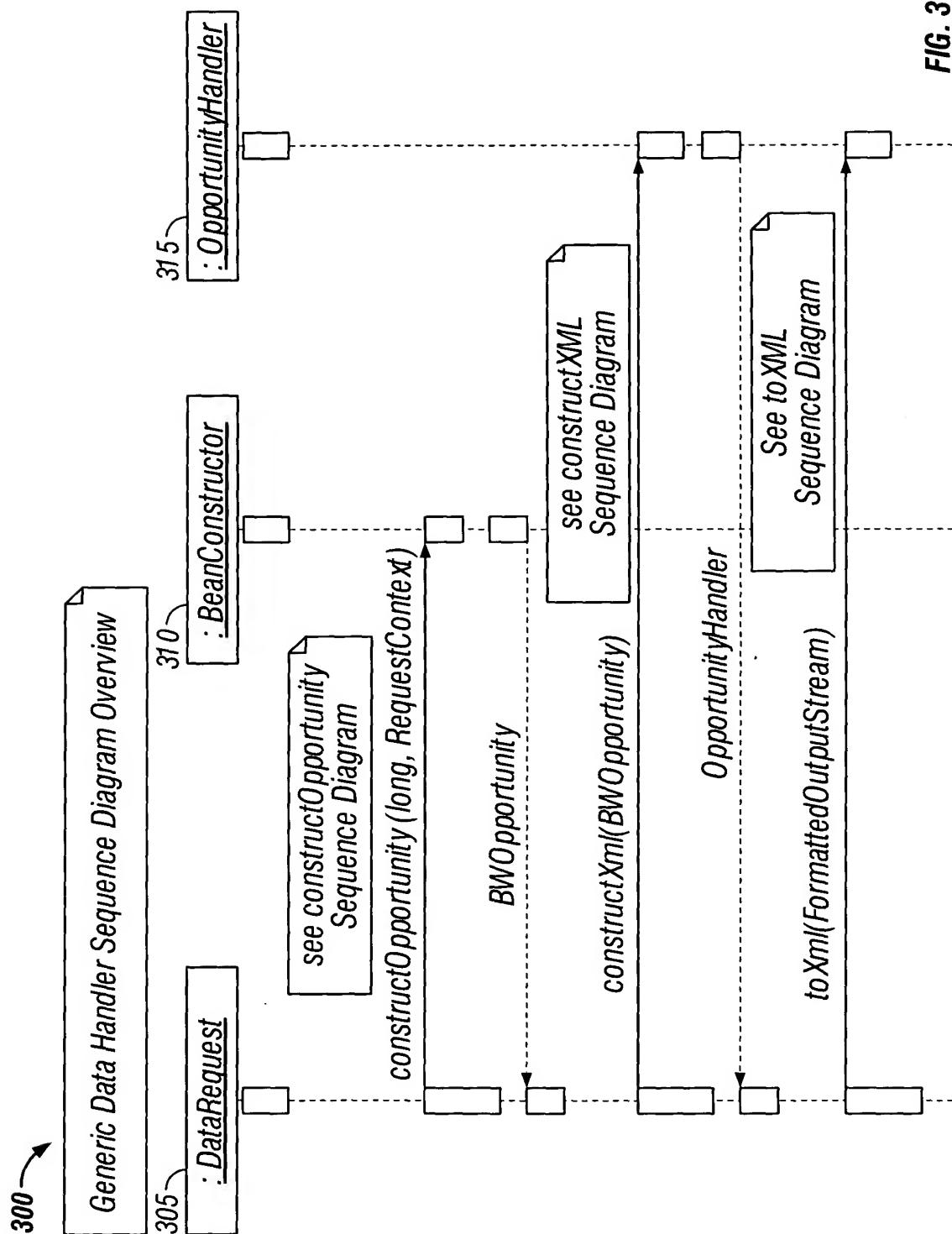


FIG. 2

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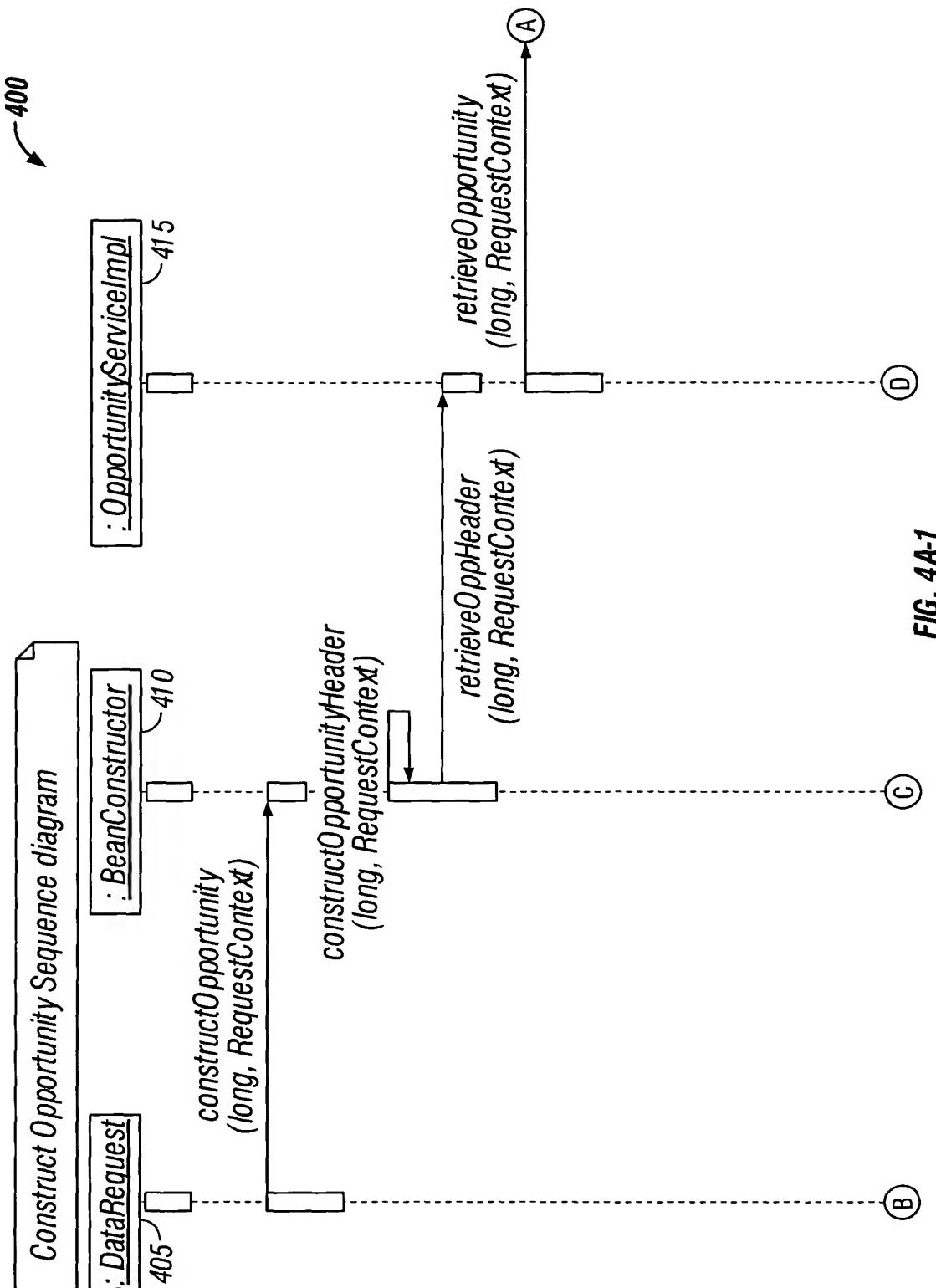


FIG. 4A-1

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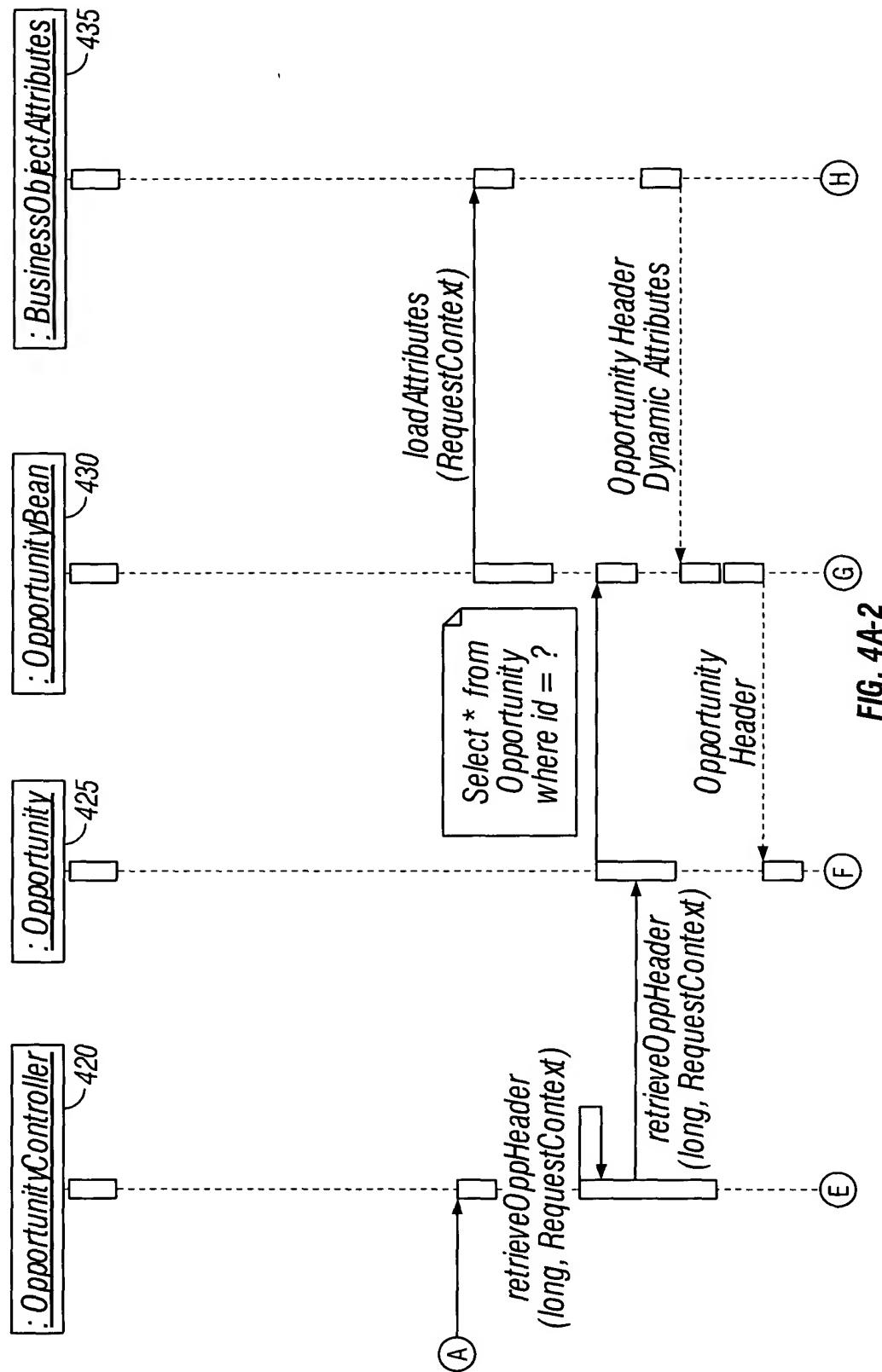


FIG. 4A-2

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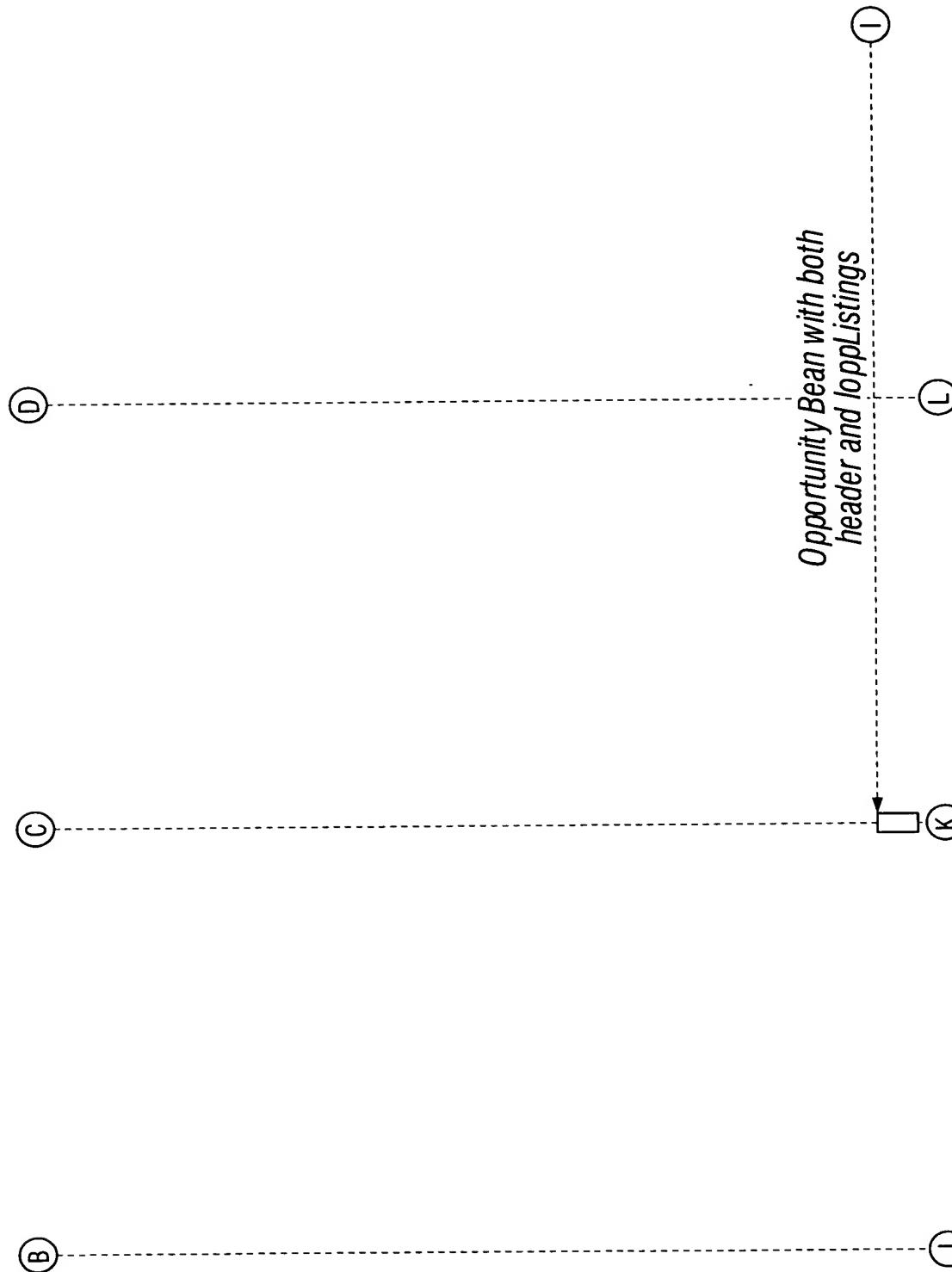


FIG. 4A-3

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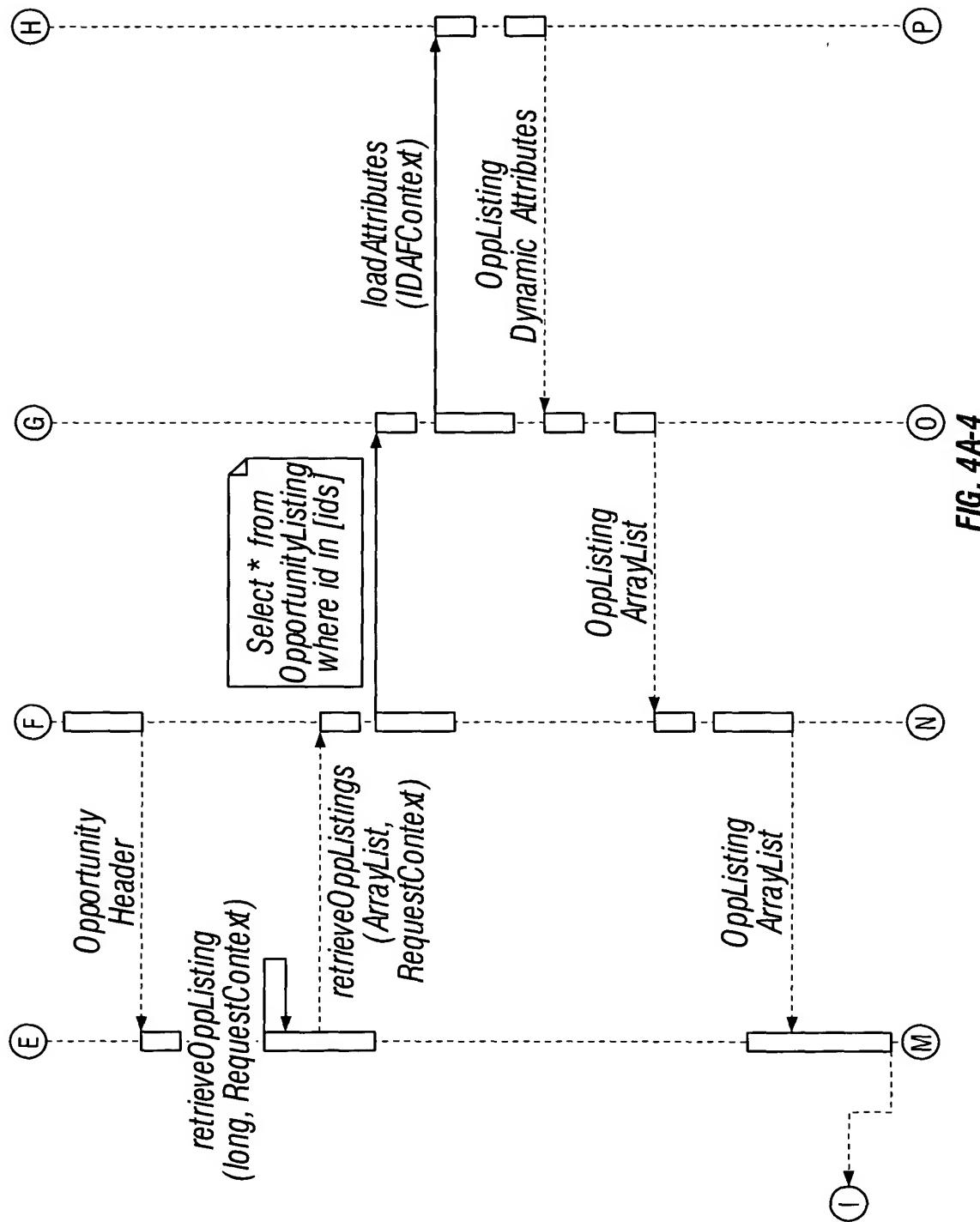


FIG. 4A-4

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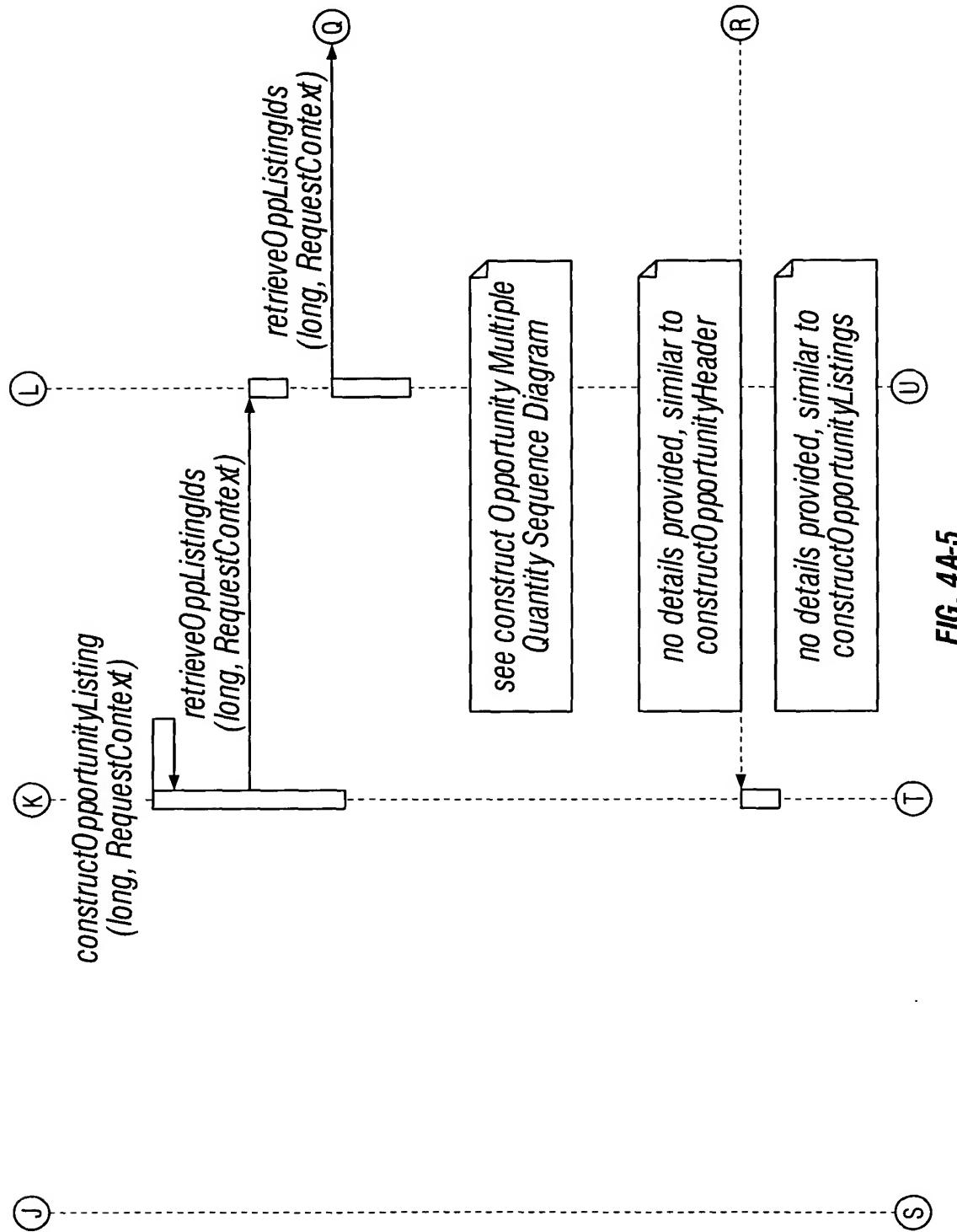


FIG. 4A-5

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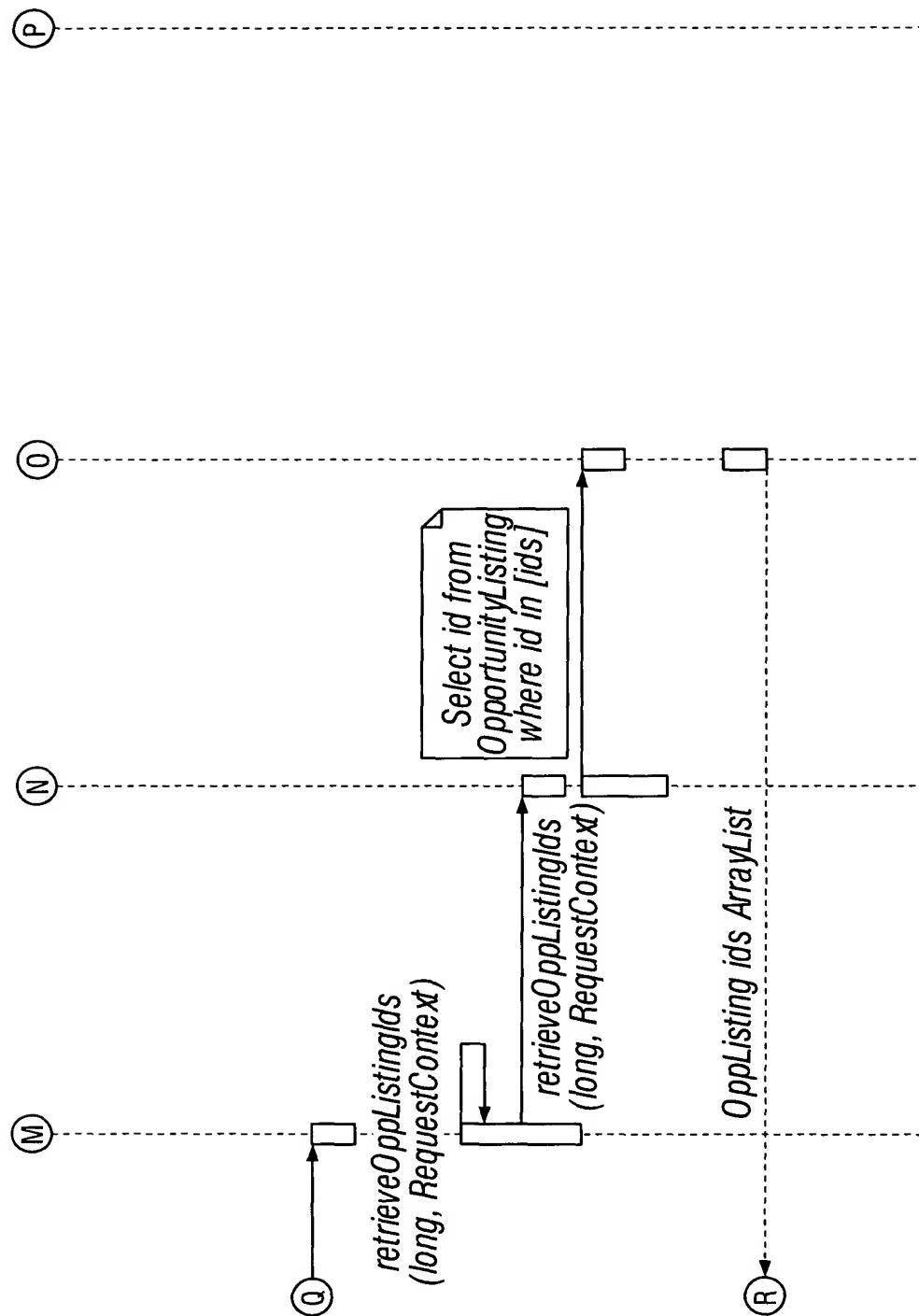
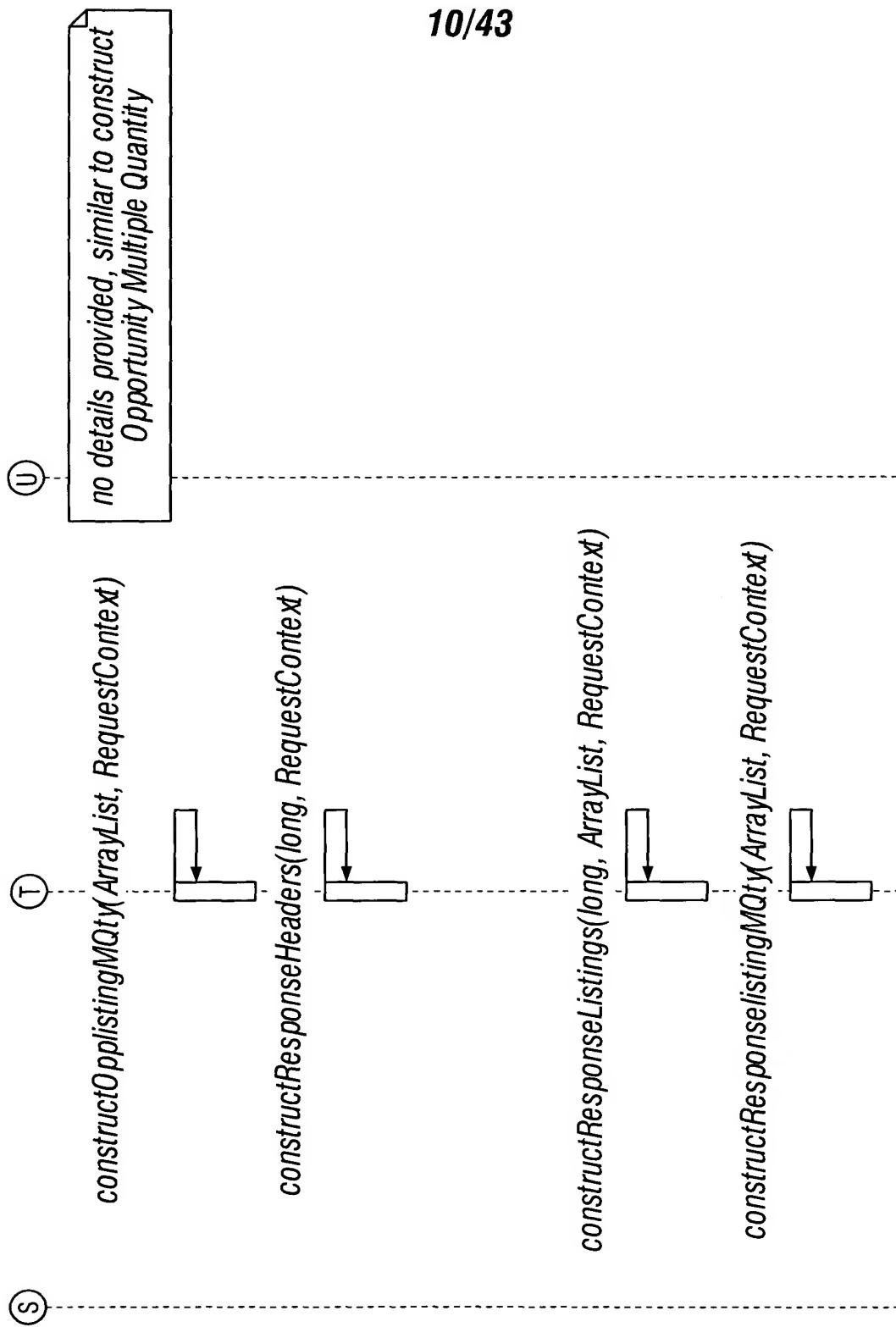
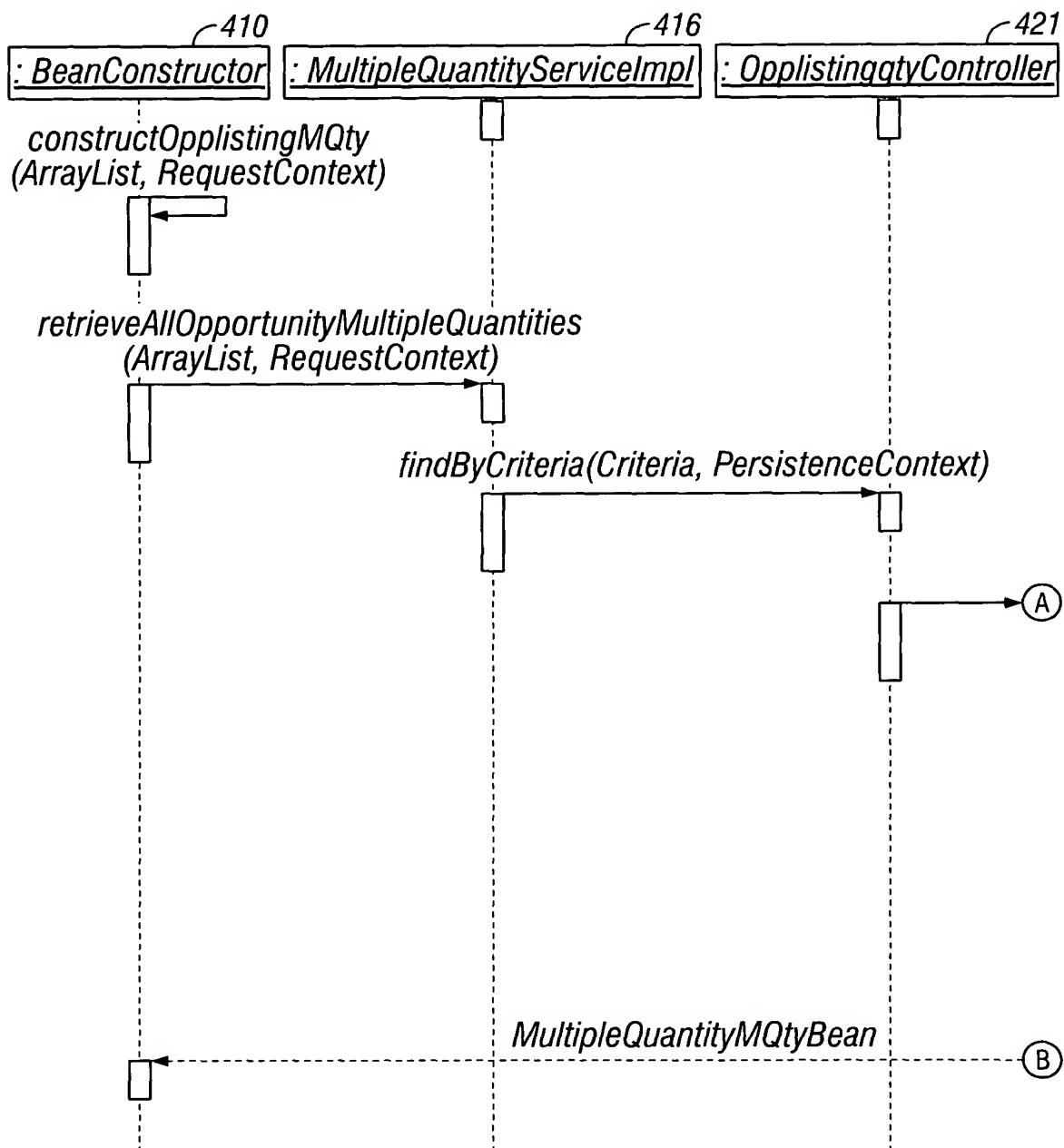


FIG. 4A-6

10/43**FIG. 4A-7**

11/43*Construct Opportunity Multiple Quantity Sequence Diagram***FIG. 4B-1**

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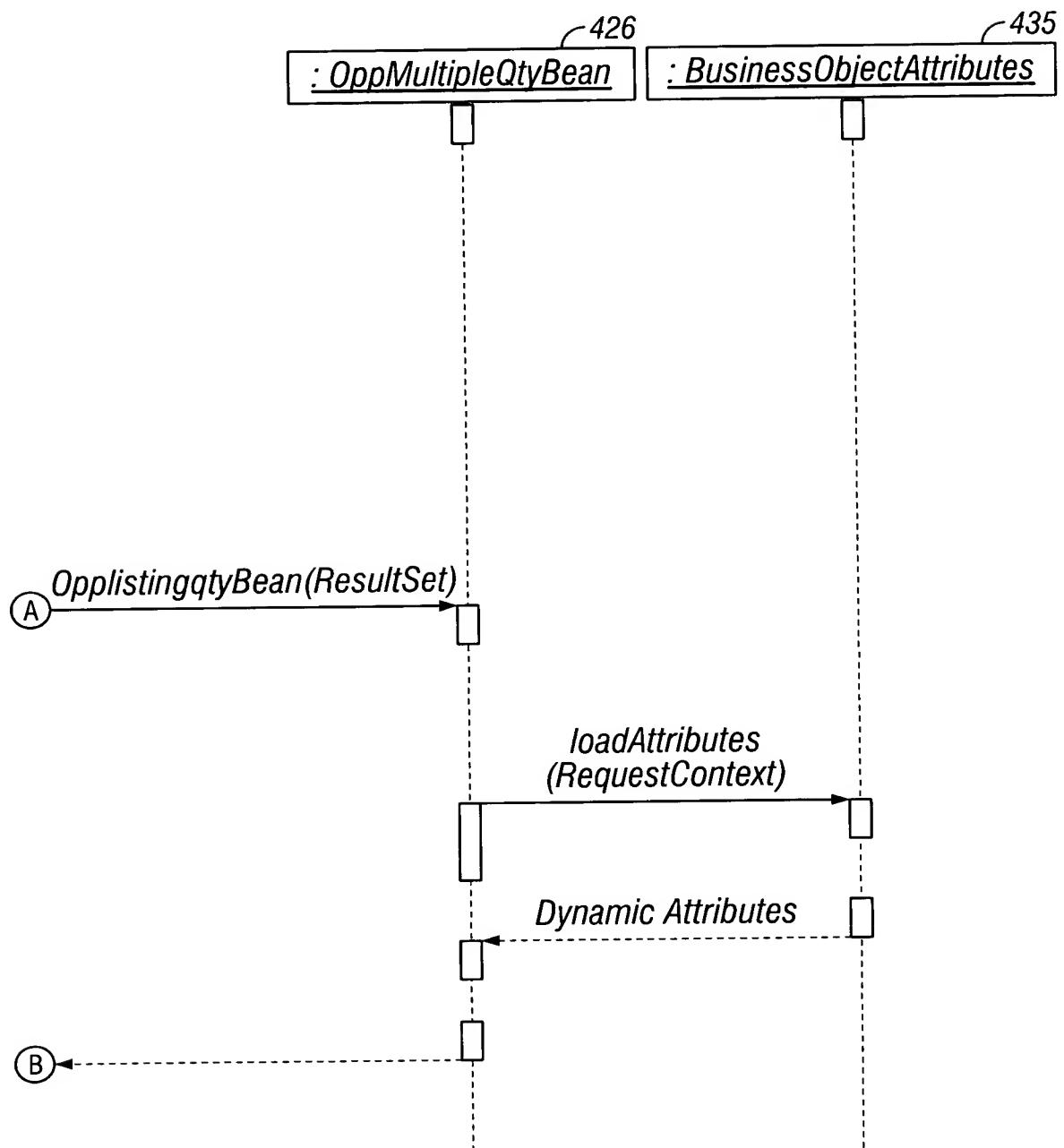
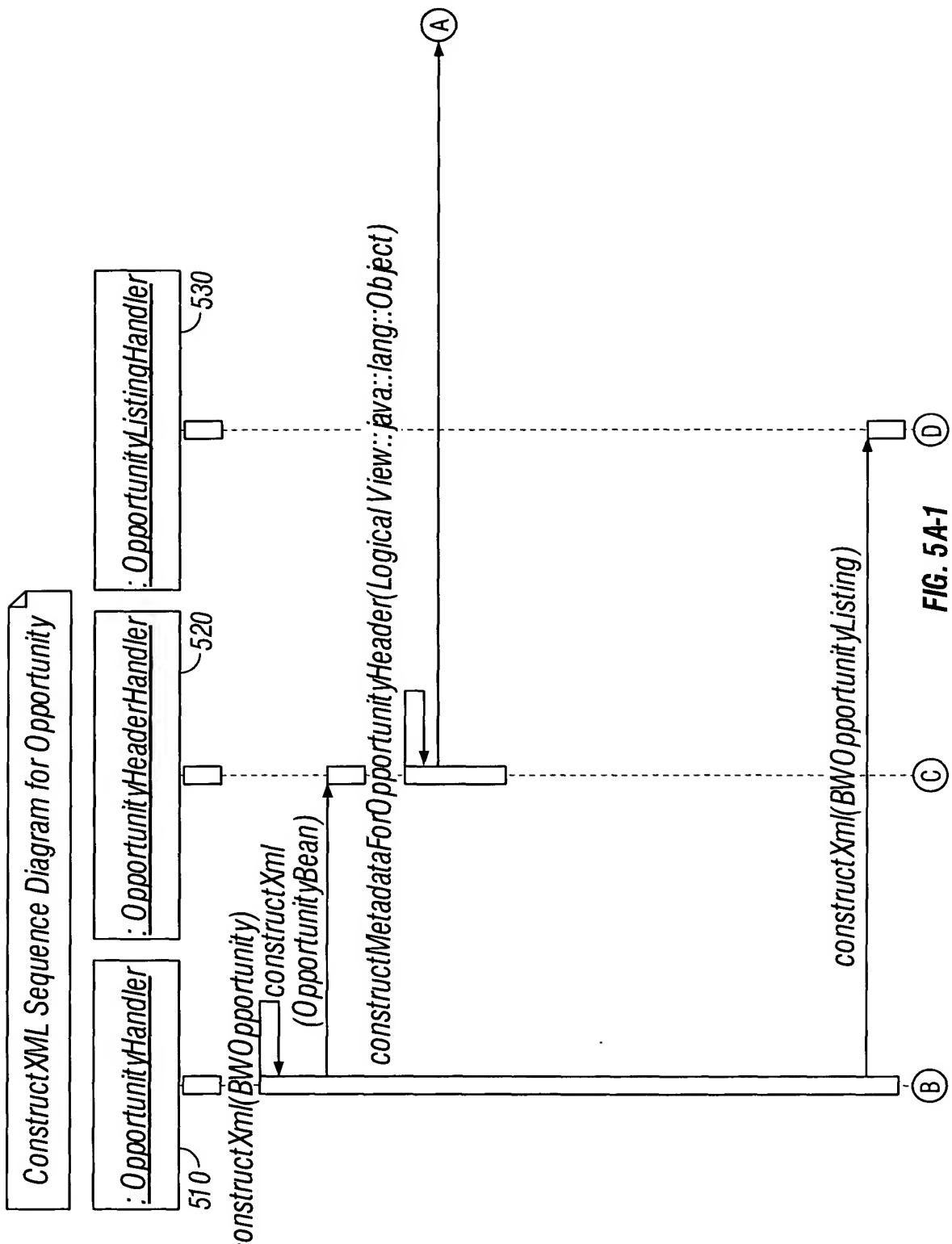


FIG. 4B-2

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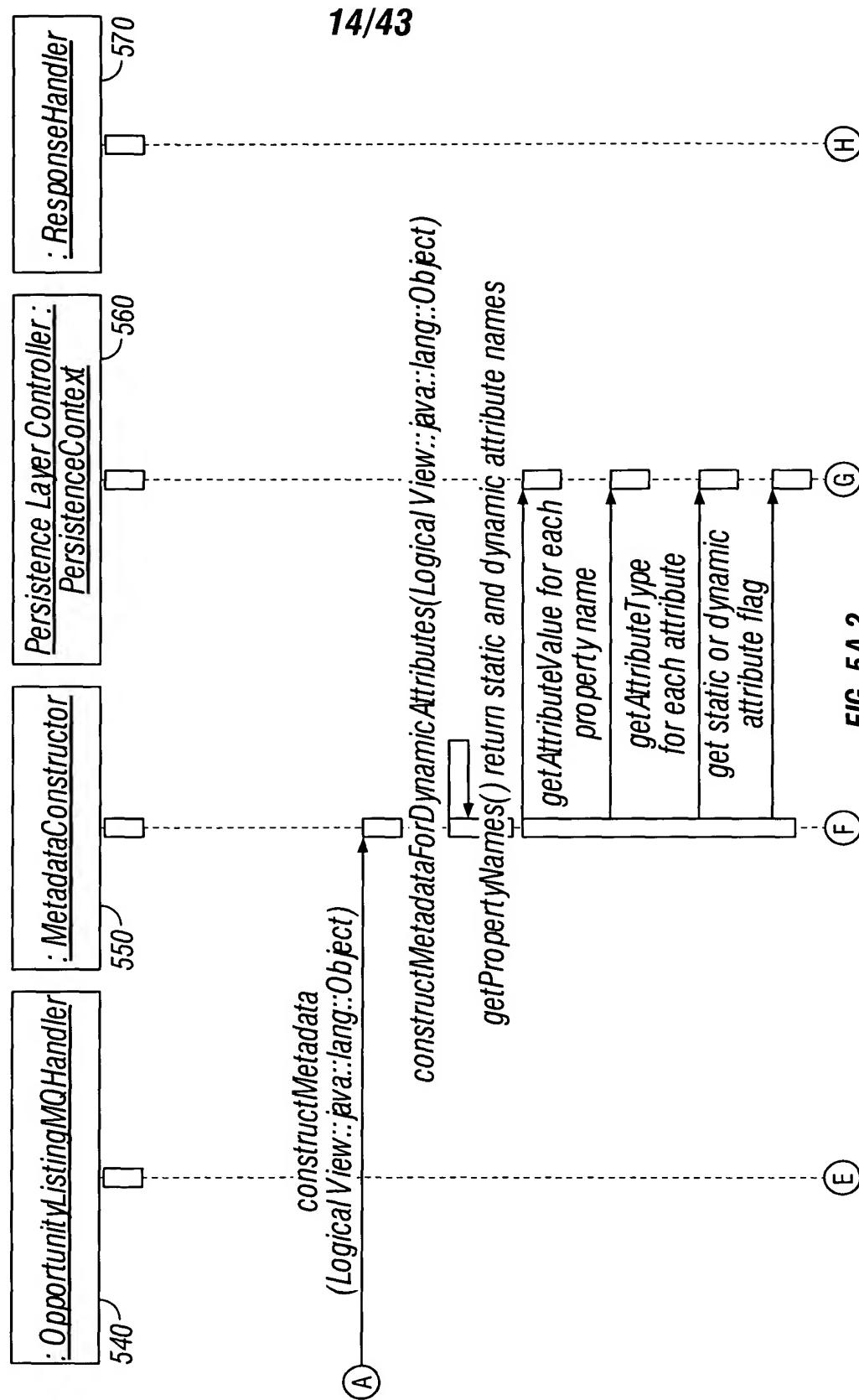


FIG. 5A-2

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FIG. 5A-3

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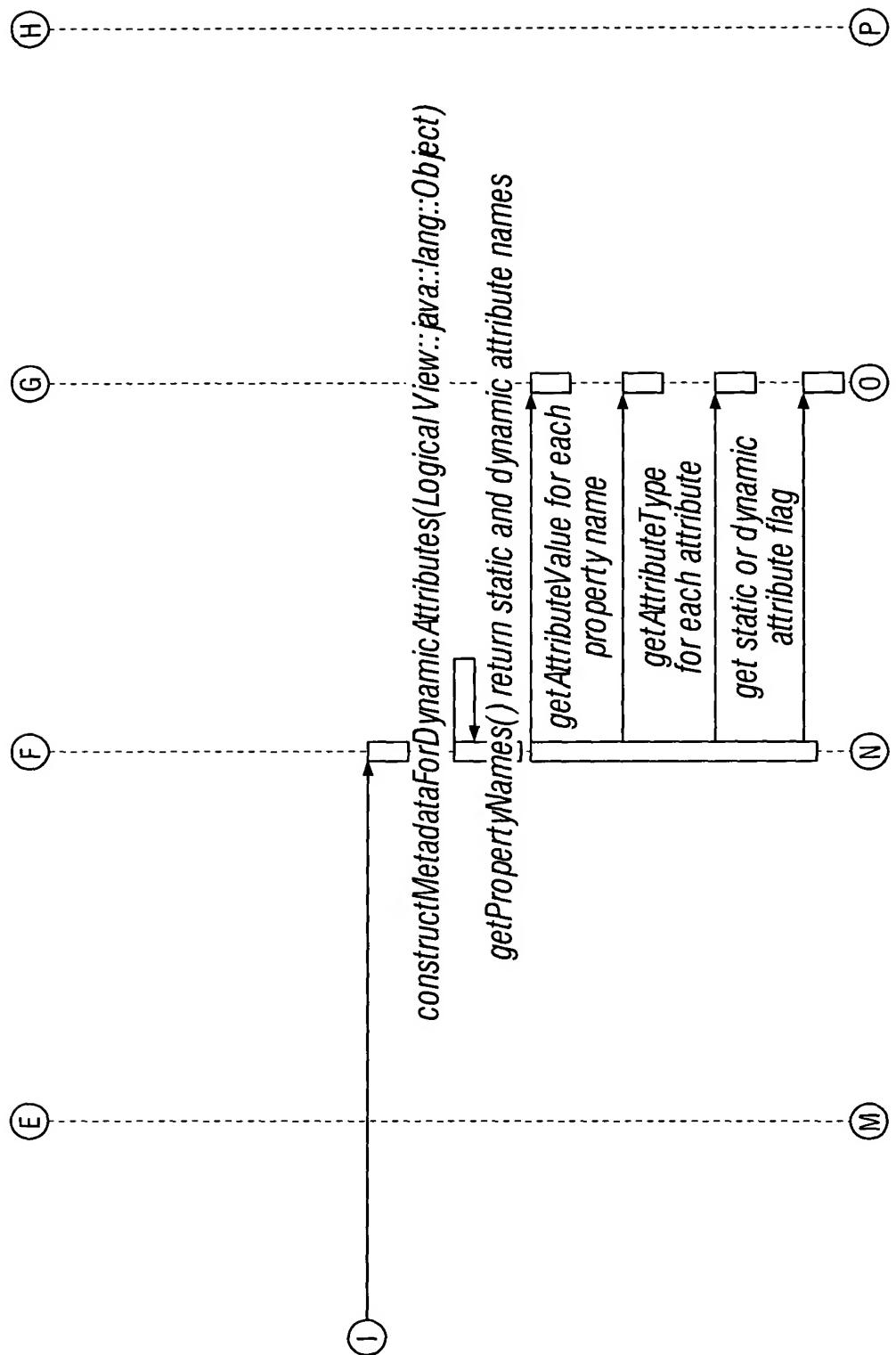
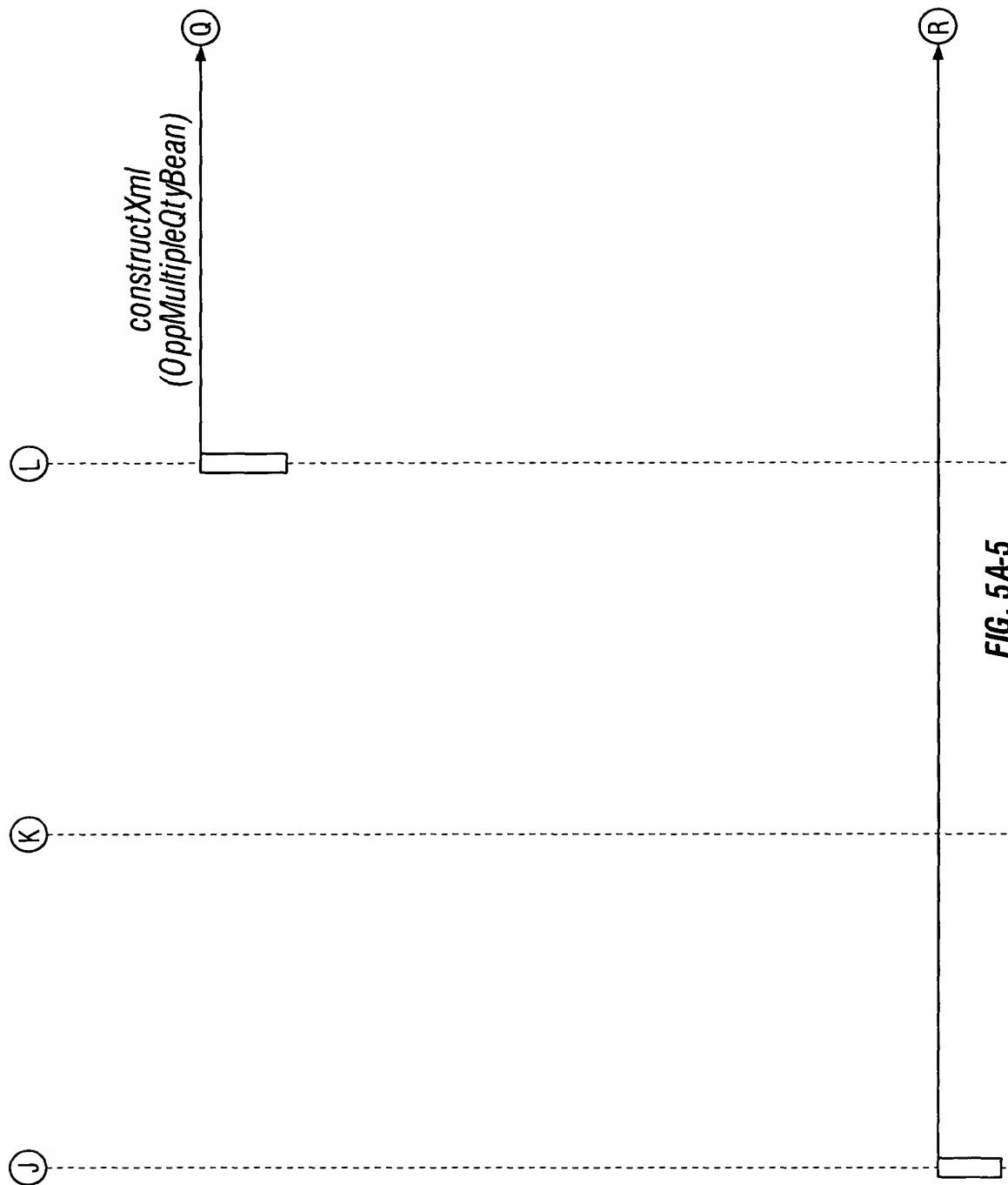


FIG. 5A-4

17/43*FIG. 5A-5*

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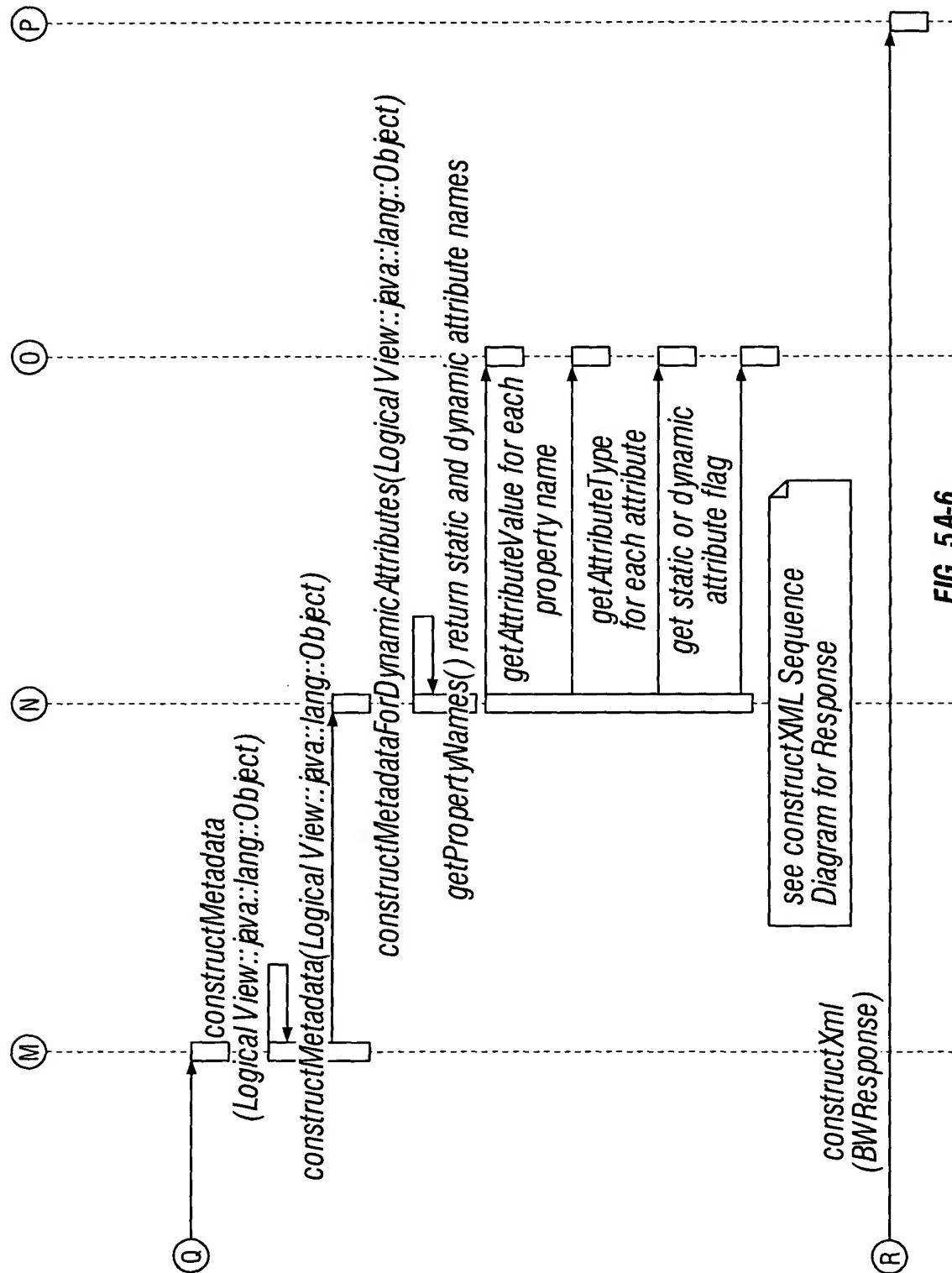
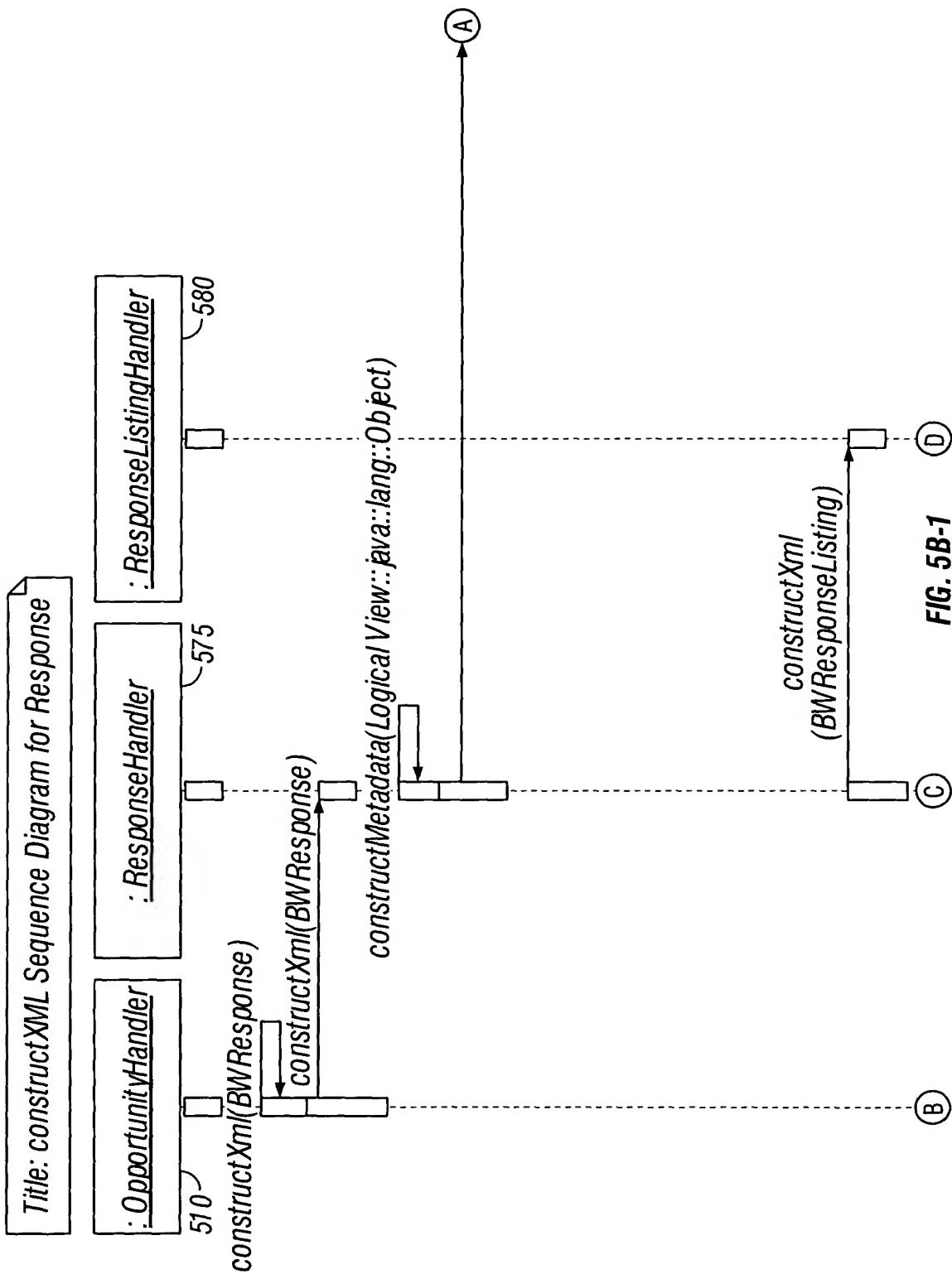


FIG. 5A-6

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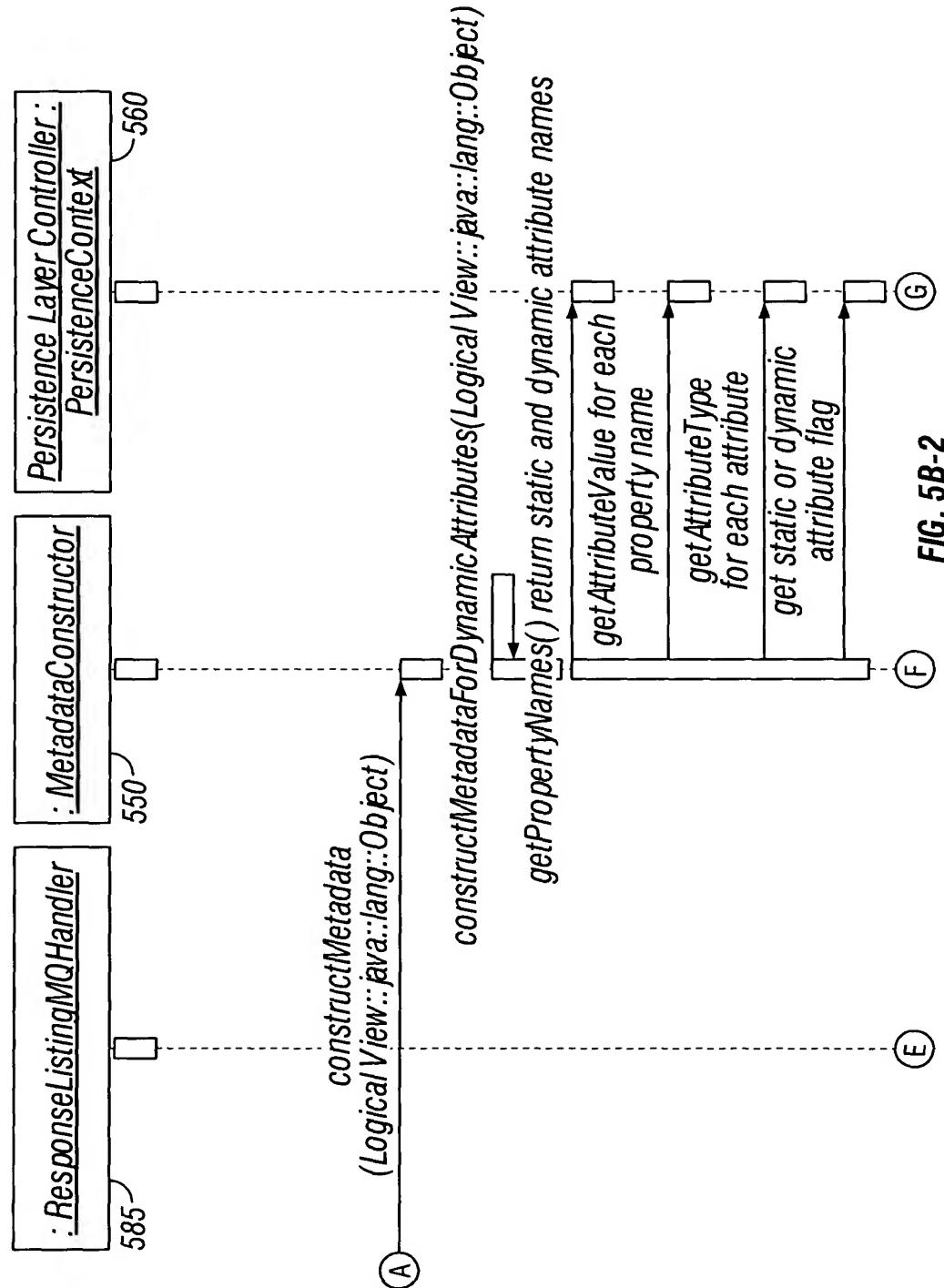


FIG. 5B-2

constructMetadataForResponseListingLogicalView::java::lang::Object()

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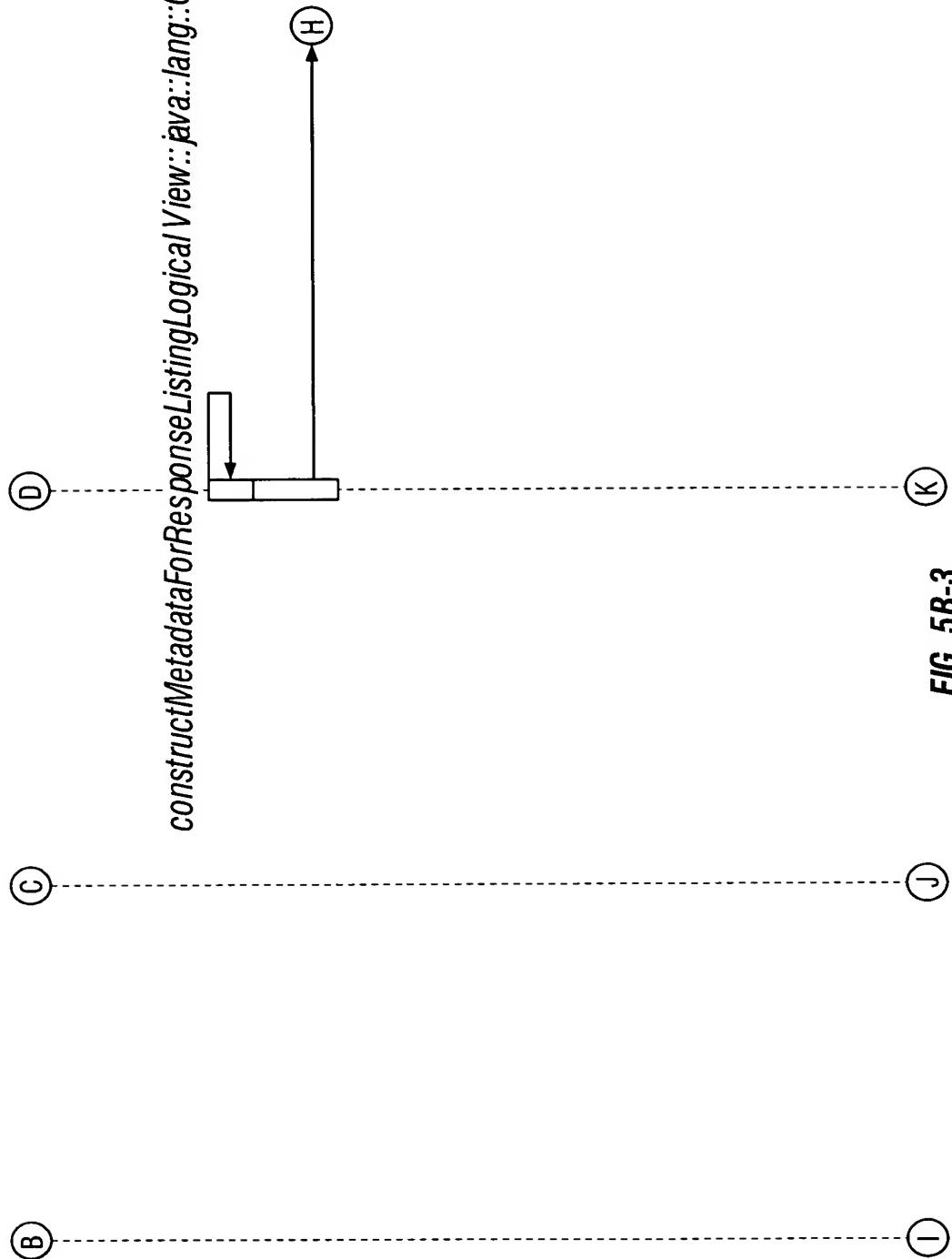


FIG. 5B-3

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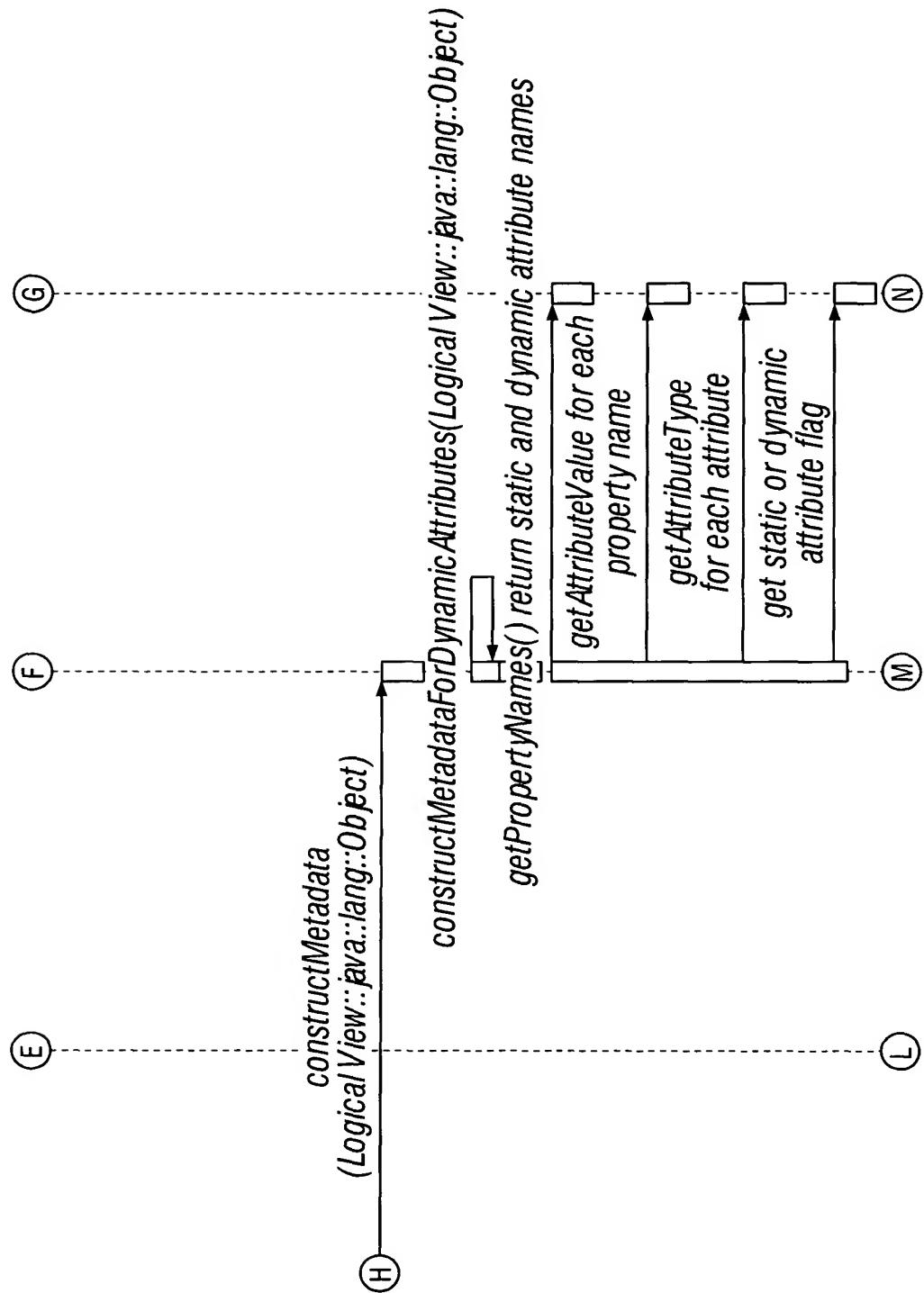


FIG. 5B-4

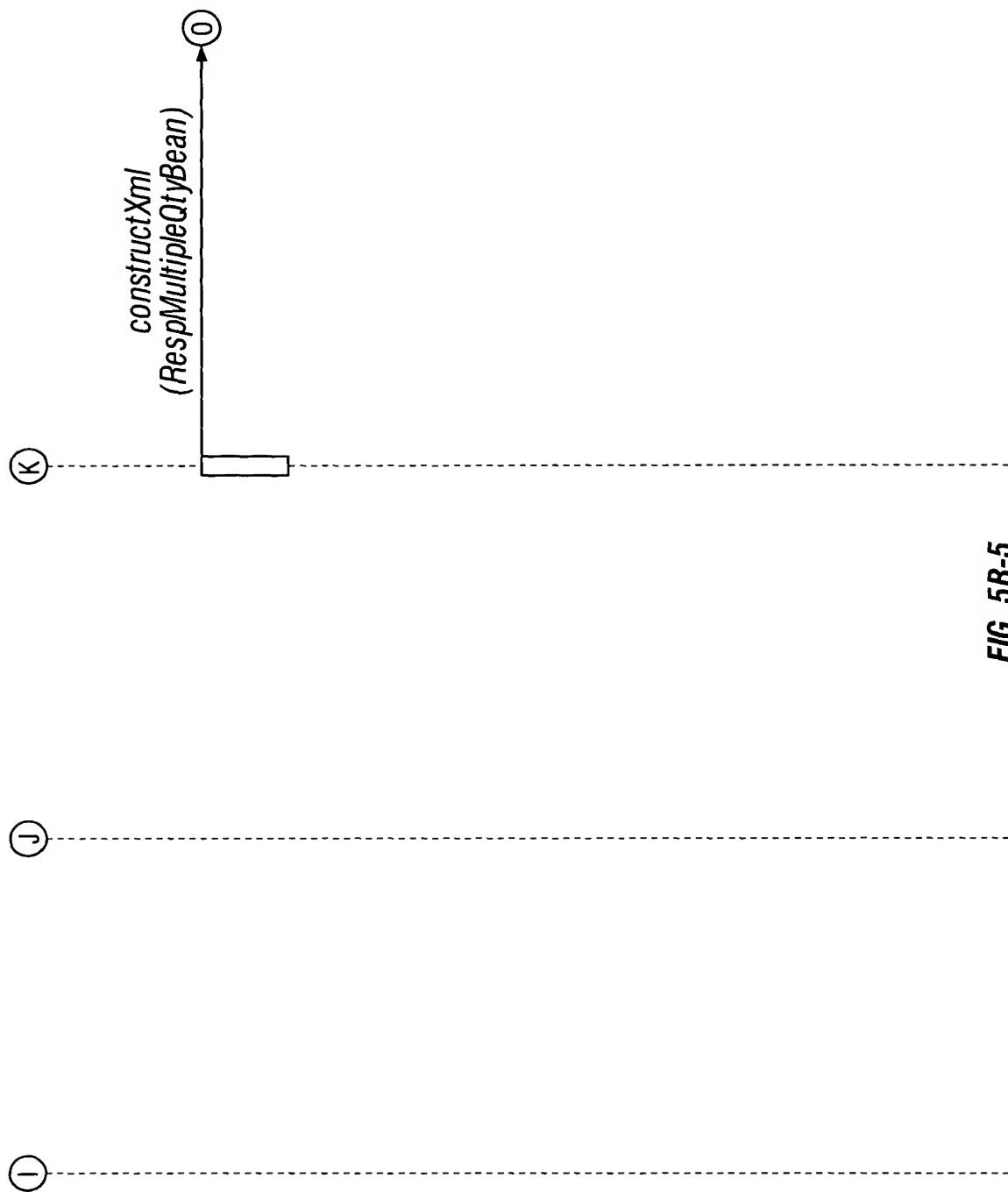
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FIG. 5B-5

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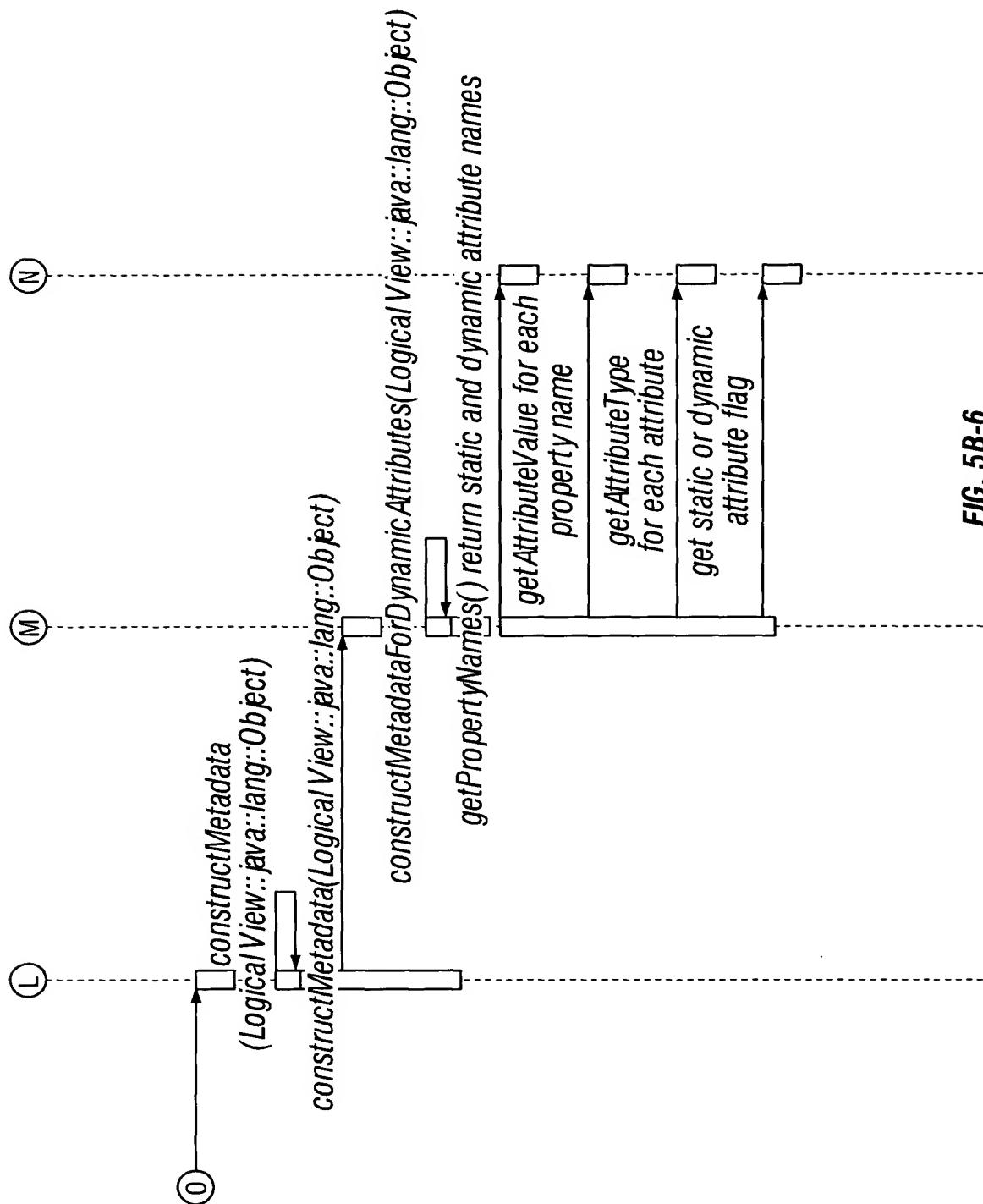
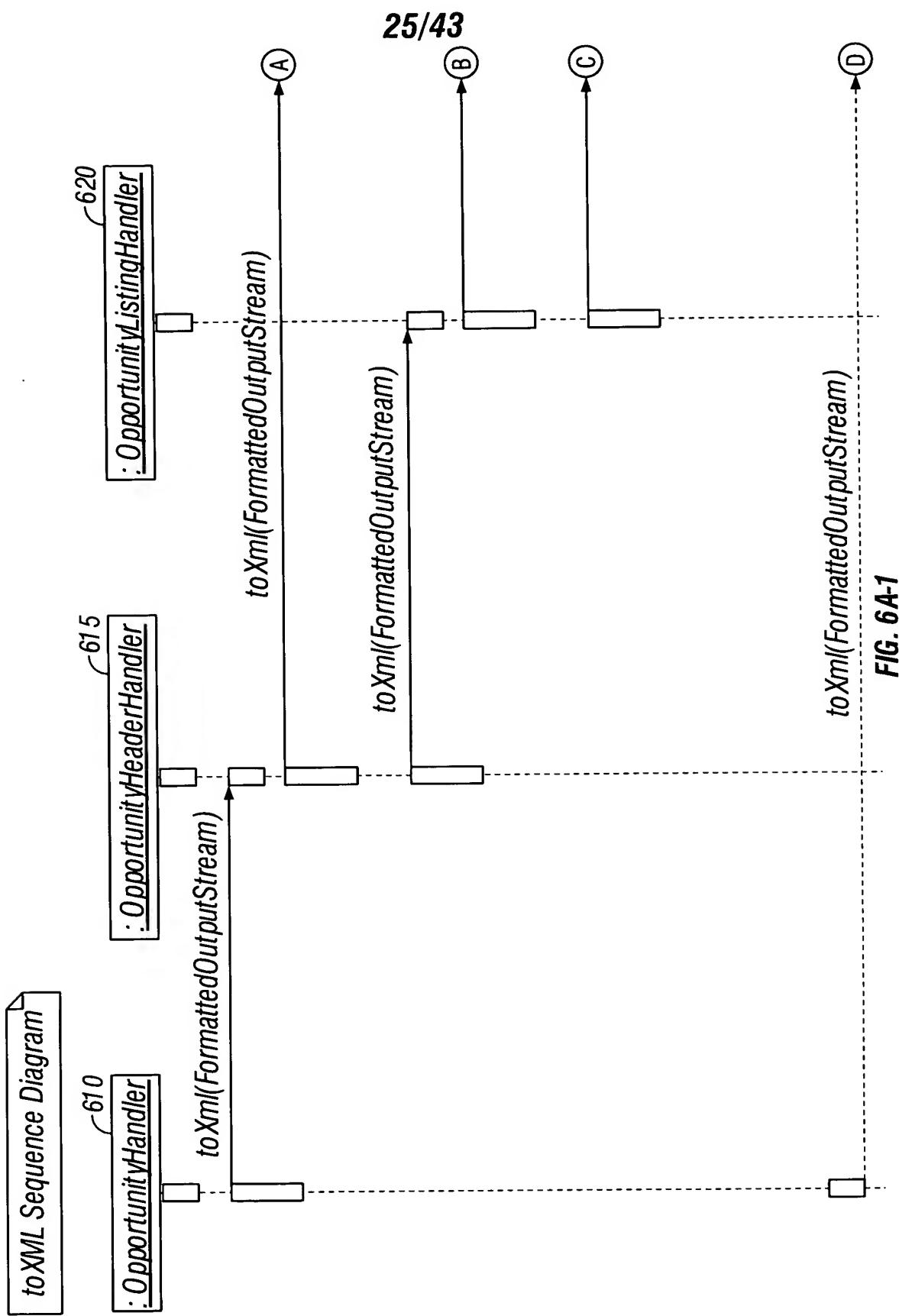
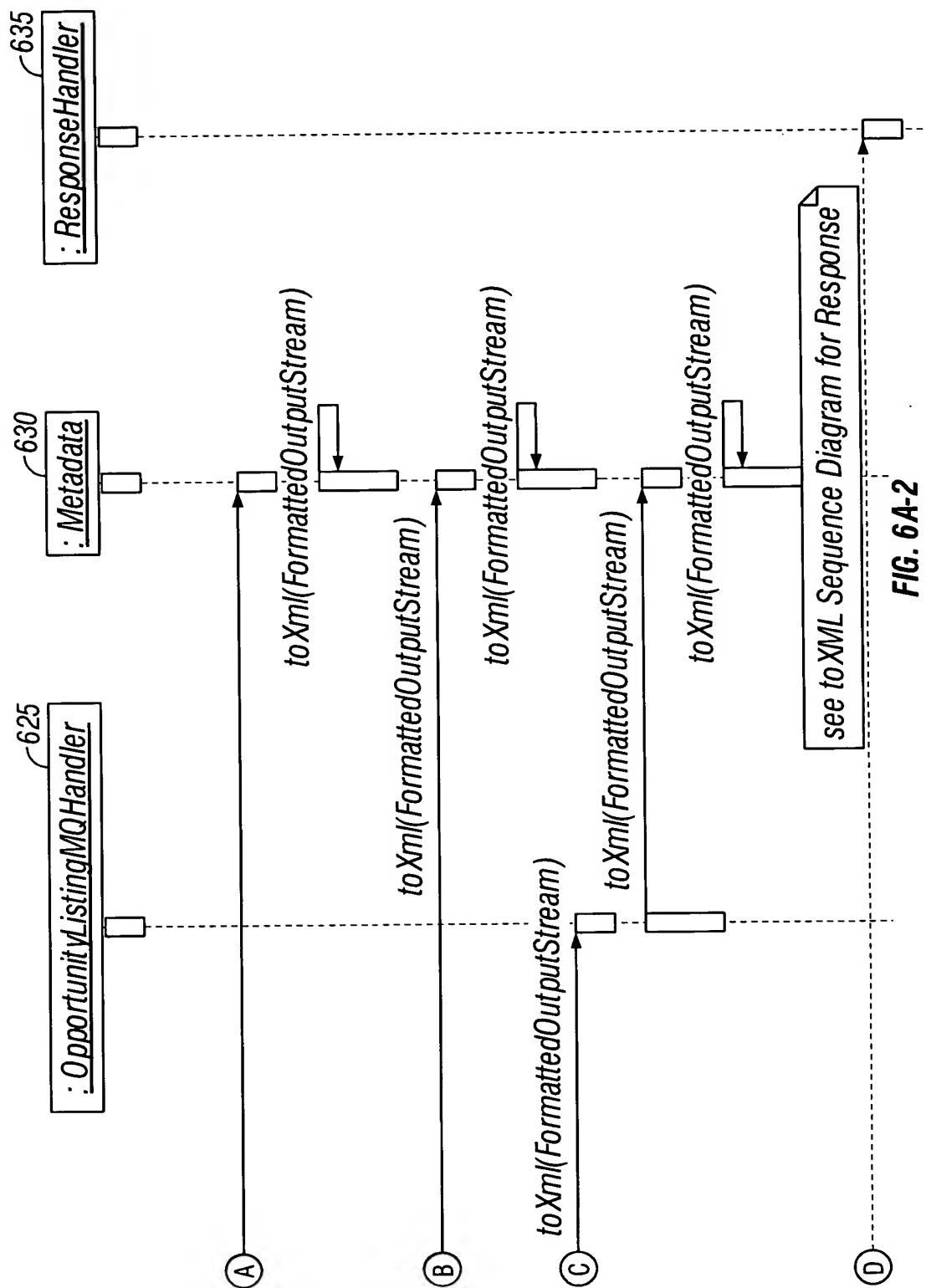
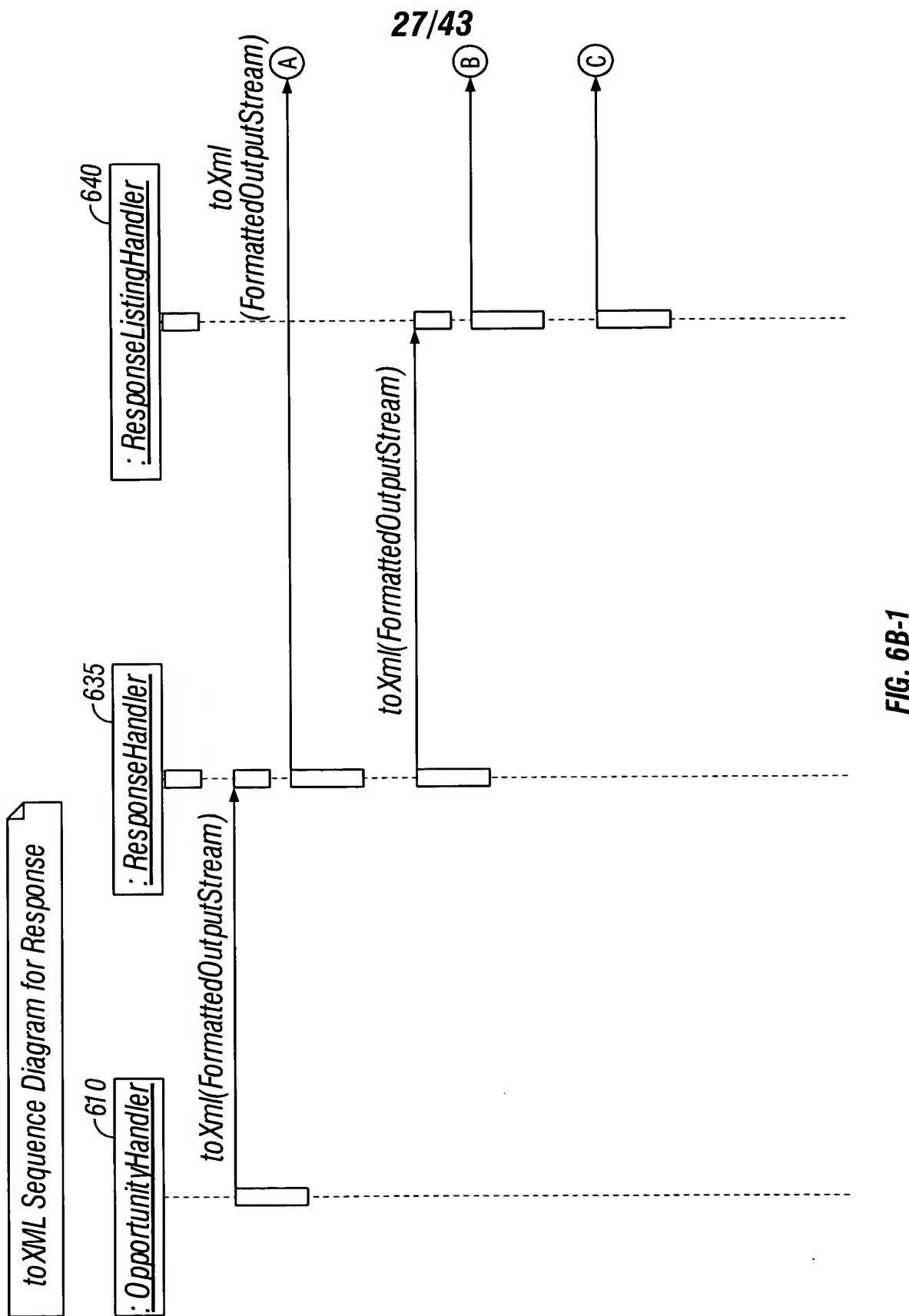


FIG. 5B-6



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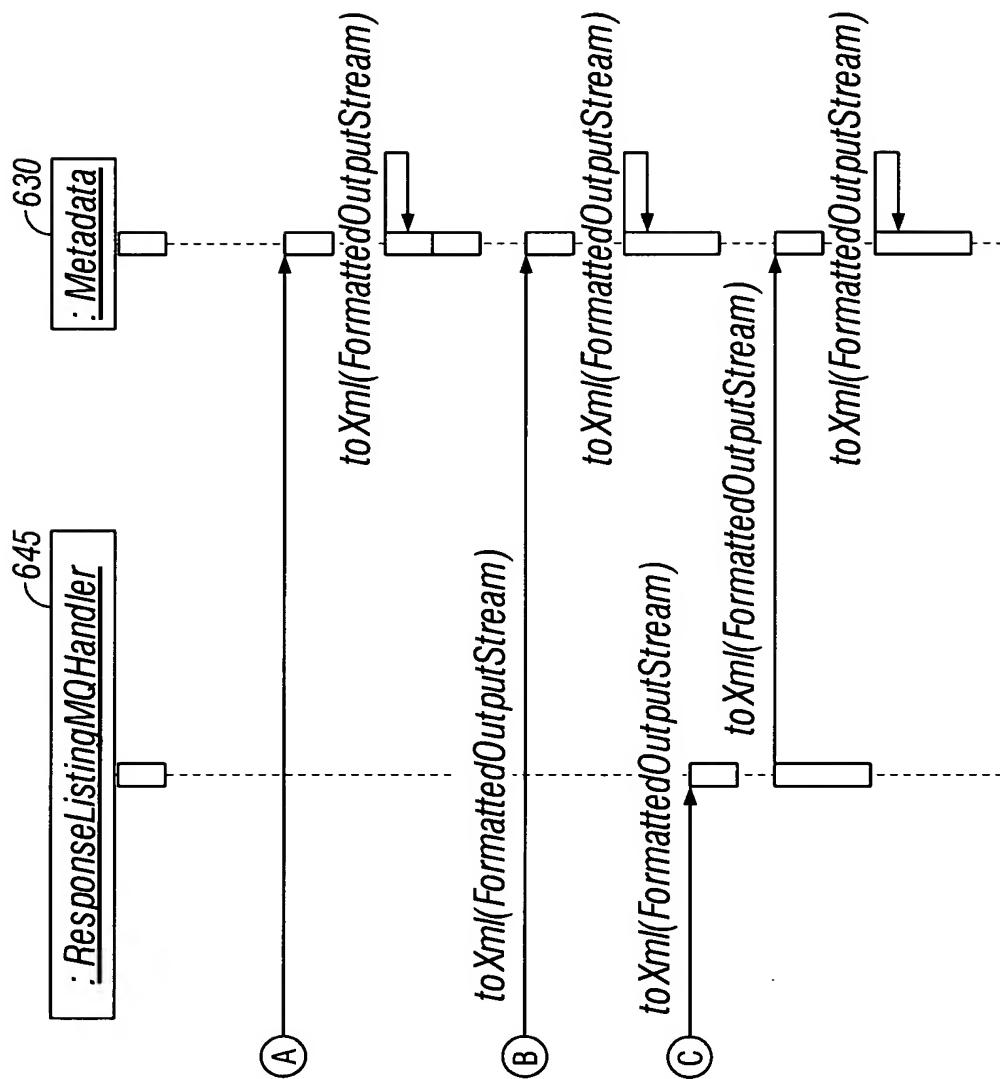


FIG. 6B-2

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```
<Attribute> <Metadata>
  <name> </name>
  <type> </type>
  <dynamic> </dynamic>
</Metadata>
<Value> </Value>
</Attribute>

Example with sample data

<Attribute> <Metadata>
  <name> brokenLot </name>
  <type> int </type>
  <dynamic> false </dynamic>
</Metadata>
<Value> 1 </Value>
</Attribute>
```

FIG. 7A

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```
<OpportunityList>
  <Opportunity>
    <id> 209036</id>
    <OpportunityHeader>
      <Attribute>
        <Metadata>
          <name> brokenLot </name>
          <type> int </type>
          <dynamic> false </dynamic>
        </Metadata>
        <Value> 1 </Value>
      </Attribute>
      ...
    </OpportunityHeader>
    <ListingItems>
      <ListingItem>
        <id> 209048 </id>
        <Attribute>
          <Metadata>
            <name> lineItemNumber </name>
            <type> long </type>
            <dynamic> false </dynamic>
          </Metadata>
          <Value> 1 </Value>
        </Attribute>
        ...
      <ListingItem>
        ...
      </ListingItems>
    </Opportunity>
  </OpportunityList>
  <ListingItemMQty>
    ...
  </ListingItemMQty>
```

FIG. 7B-1

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```
<oid> 209070</oid>
<Attribute>
<Metadata>
  <name> quantity</name>
  <type> java.math.BigDecimal</type>
  <dynamic> false</dynamic>
</Metadata>
  <Value> 2.300000000000000</Value>
</Attribute>
...
</ListingItemMQty>
...
</ListingItem>
<ListingItem>
  <id> 209049</id>
  <Attribute>
    <Metadata>
      <name> priceUnit</name>
      <type> java.math.BigDecimal</type>
      <dynamic> false</dynamic>
    </Metadata>
    <Value> 1</Value>
  </Attribute>
...
</ListingItem>
...
</OpportunityList>
```

FIG. 7B-2

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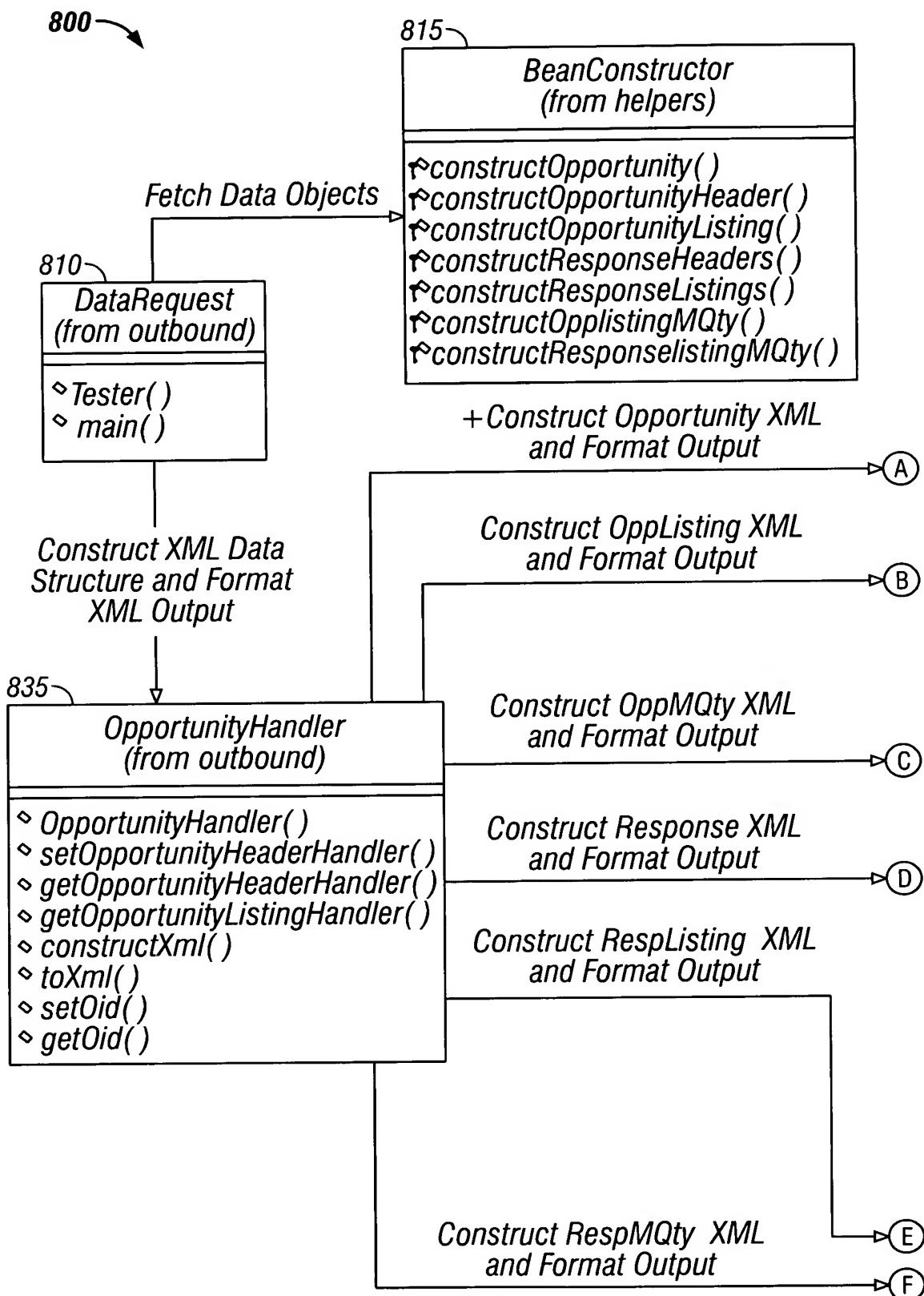


FIG. 8A

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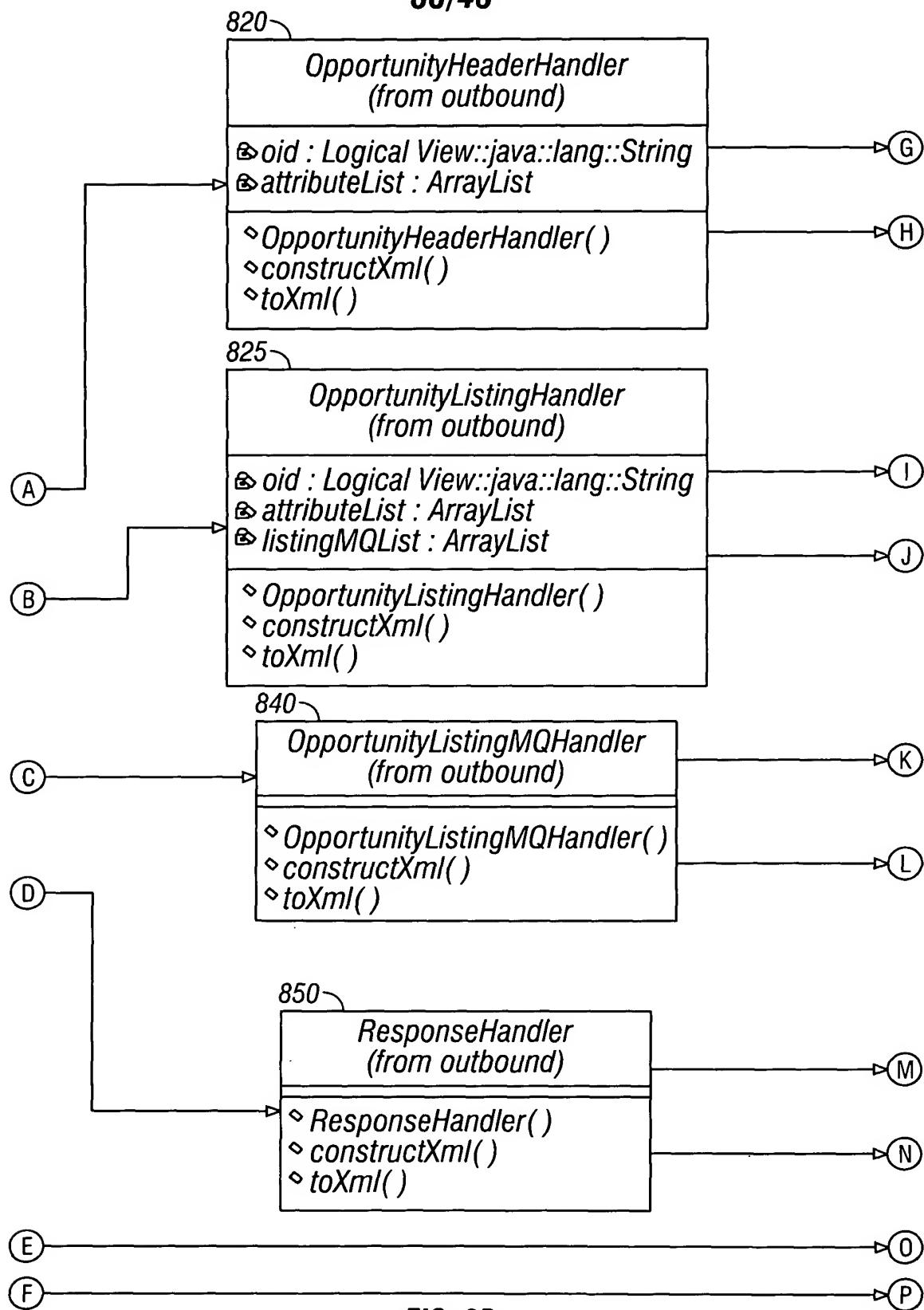


FIG. 8B

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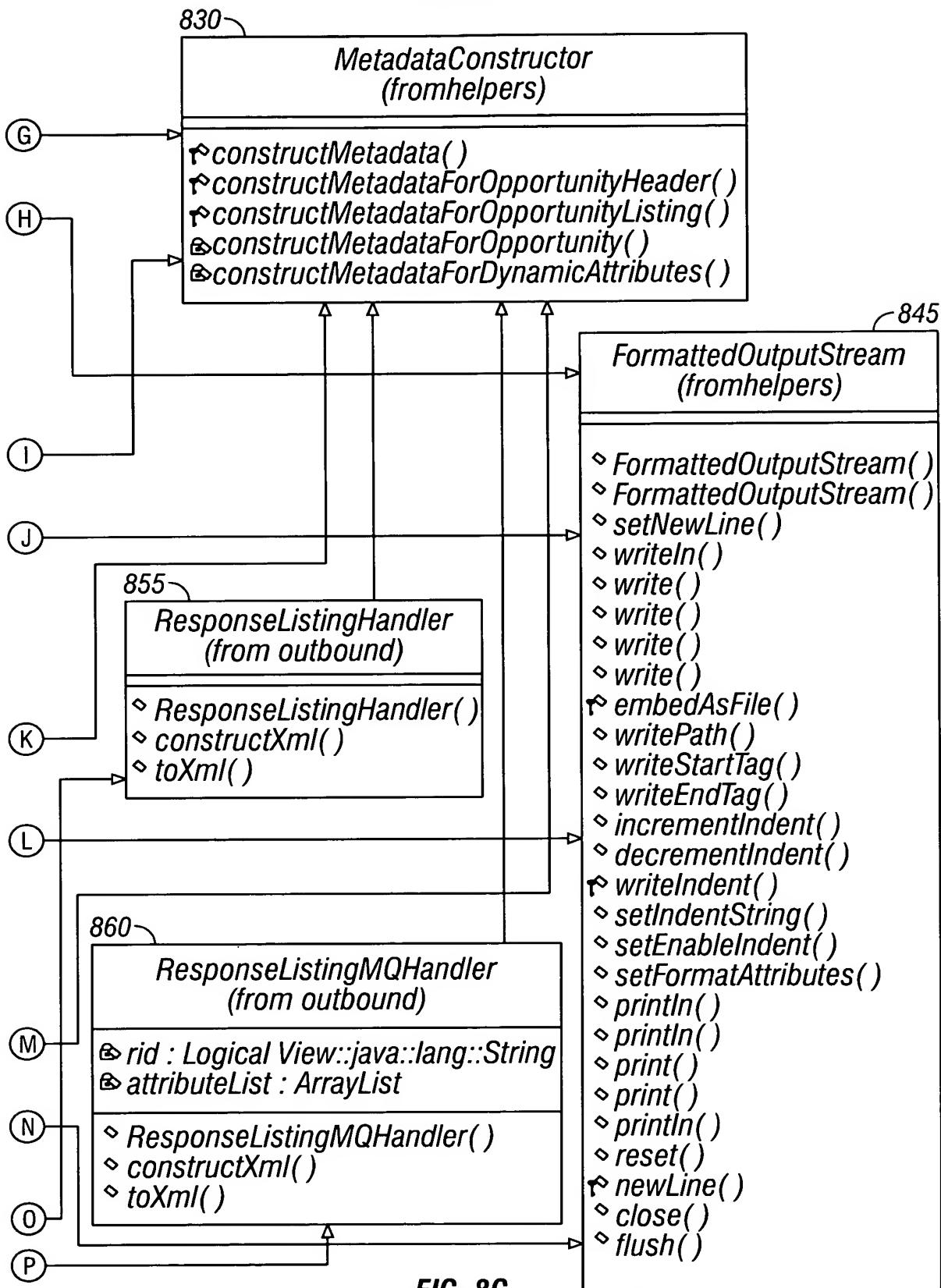


FIG. 8C

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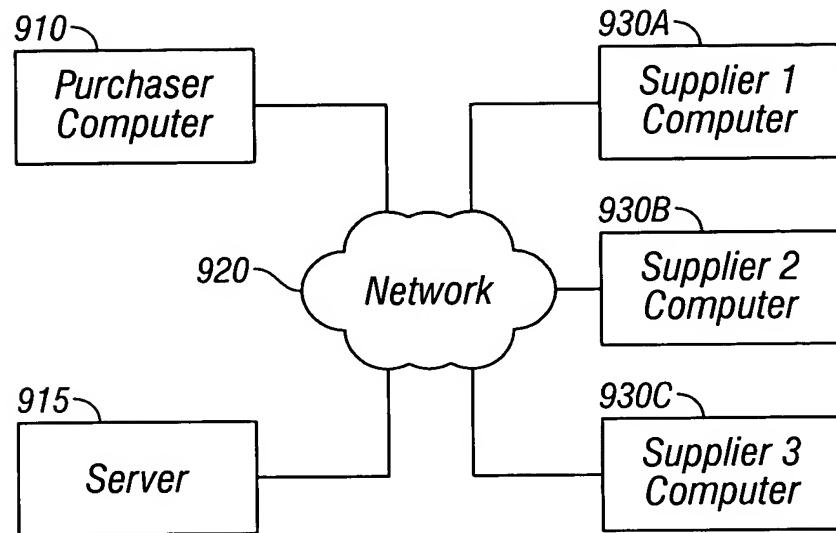


FIG. 9A

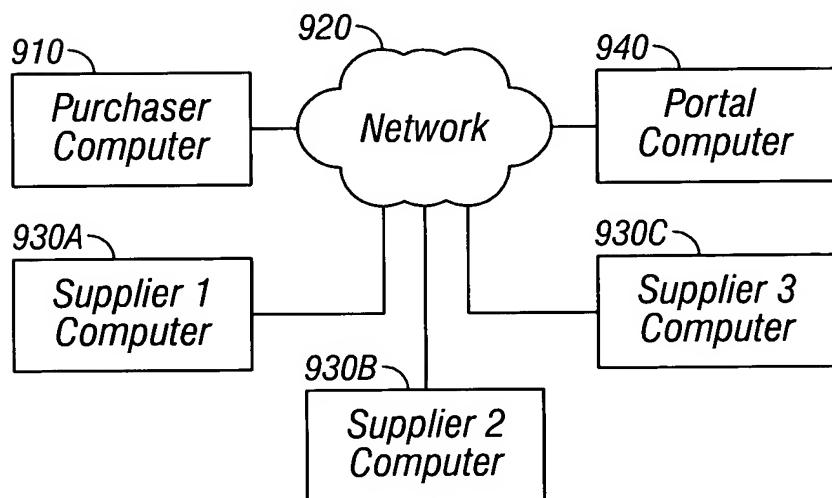


FIG. 9B

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1000 →

1012 → Create RFQ
1014 → Create Auction

1030 → Opportunities

Incomplete
Open
Published
Active
Closed
Finalized
Withdrawn

1010 →

1020 →

	Name	Type	Status	Workflow Status	Time Remaining	Bids
Cooling System	RFQ	Open				
Wheels	RFQ	Active				
Tubes	Auction	Published				
Cooling System	RFQ	Closed		Closed	6	
Tires	RFQ	Active				

FIG. 10

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1100 →

<u>Create RFQ</u> <u>Create Auction</u>	1. What type of RFQ/RFI would you like to create?
Opportunities	Type <input type="text"/> 1110
Incomplete Open Published Active Closed Finalized Withdrawn	Public? <input type="checkbox"/> 1115
2. Select an RFQ/RFI Rule Profile	
	Rule Profile <input type="text"/> 1120
3. RFQ/RFI Information	
Name	<input type="text"/> 1125
Classification	<input type="text"/> 1130 <input type="checkbox"/> 1135

FIG. 11A

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3. RFQ/RFI Information (continued)	
Purchasing Organization	1140
Terms and Conditions	1145
Description	1150
Currency	1155
Start Date/ Time	1160
End Date/ Time	1165
Binding Date/Time	1170
Dynamic Attributes	1180
Attachment	1185

Create RFQ
Create Auction

Opportunities

Incomplete
Open
Published
Active
Closed
Finalized
Withdrawn

1105

FIG. 11B

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Create New Line Item	
Name	1210 Breather Hose
Quantity	100 1215
Base Unit	Pieces 1220
Category	Radiator 1225
Ship By	9/30/03 5.00 PM PST 1230
Terms and Conditions	1235
Description	1240 Dynamic Attributes 1245 Attachment 1250 
Opportunities	<u>Create RFQ</u> <u>Create Auction</u> Incomplete Open Published Active Closed Finalized Withdrawn

FIG. 12

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1300 →

RFQ/RFI Invitation List

1. Set up invitation

Distribution List	1320
<input checked="" type="checkbox"/> Distribution List 1	
<input type="checkbox"/> Distribution List 2	
<input checked="" type="checkbox"/> Distribution List 3	

1310

Users	1340
<input type="checkbox"/> ABC Corp.	1350
<input type="checkbox"/> ACME Industries	
<input checked="" type="checkbox"/> Advantage Associates	

1330

2. Would you like to choose service partners?

Yes, I would like to setup 1370
service partners

1360

FIG. 13

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1400 →

You are invited to bid on the following

Opportunity Name	Company	Type	Lot type	Time remaining	Bids	Actions
Cooling System						
ACME Contract						
AB 92805 System						

1410 ↙

1420 ↙

FIG. 14

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1. Opportunity Information			
Classification	Manufacturing Components -> Rubber parts		
Terms and Conditions	Payment to be made after user trials		
Requester	ACME Products, Inc.,		
Currency	EUR		
Binding Date	December 19, 2003		
2. Line Items			
Item	Quantity	Unit	Bid Amount (Total)
Breather Hose	100	Each	500
Air Filter Hose	100	Each	800
Delivery Date	December 21, 2003		
			Submit

1500 →

1510 →

1520 →

1530 →

1540 →

1550 →

FIG. 15

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1. Opportunity Information				
Opportunity Name	Cooling System			
Opportunity ID	195			
Terms and Conditions	Payment to be made after user trials			
Currency	EUR			
Binding Date	December 19, 2003			
2. Responses				
Item: Breather Hose				
<i>1600</i>	<i>1610</i>	<i>1620</i>	<i>1630</i>	<i>1640</i>
Submitted By	On	Rank	Bid Amount (Total)	
Bidder 1	12/5/03	1	500	
Bidder 2	12/2/03	4	800	
Bidder 3	12/2/03	3	650	
Bidder 4	12/4/03	2	525	

FIG. 16